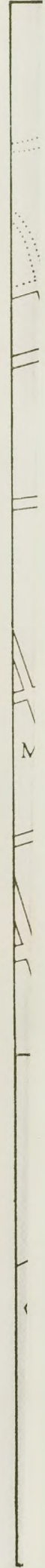


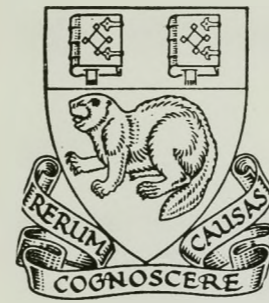
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The London School of Economics and Political Science *Calendar 1970-71*



The London School of Economics and Political Science
A School of the University of London

Calendar 1970-71

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Part I: General Information

Postal Address: Houghton Street, Aldwych, London, WC2A 2AE

Telephone Number: 01-405 7686

Telegrams: Poleconics, London, W.C.2

Office Hours for Enquiries:

Registry (Room H310) and *Timetabling Office* (Room H306)
Monday, Tuesday, Thursday, Friday: 10.30 a.m. to 12.30 p.m.
2.0 p.m. to 4.30 p.m.
Wednesday: 10.30 a.m. to 12.30 p.m.

Undergraduate Admissions Office (Room H301)
Monday to Friday: 2.0 p.m. to 4.30 p.m.

Graduate School Office (Room H203)
Monday, Tuesday, Thursday, Friday: 10.30 a.m. to 12.30 p.m.
2.0 p.m. to 4.30 p.m.
Wednesday: 10.30 a.m. to 12.30 p.m.

Graduate Admissions Office (Room H205)
Monday to Friday: 2.0 p.m. to 4.30 p.m.

Official Publications:

Calendar of the School, obtainable from The Economists' Bookshop, Clare Market, Portugal Street, London, WC2A 2AB. £1 10s. (£1.50) plus postage

Annual Report by the Director on the Work of the School

Handbook of Undergraduate Courses

The Graduate School

General Course Registration

Department of Anthropology

Department of Statistics, Mathematics, Computing and Operational Research

Diploma in Development Administration

Department of Social Science and Administration

Diploma in Personnel Management

Trades Union Studies

Graduate Studies in International Relations

Graduate Studies in Politics

Graduate Studies in Social Psychology

Regional and Urban Planning Course

All the above publications are issued free, except the Calendar of the School.

Dates of Terms

Session 1970-71

Michaelmas Term: Monday, 5 October to Tuesday, 15 December 1970 (Teaching begins Wednesday, 7 October)

Lent Term: Monday, 11 January to Friday, 19 March 1971

Summer Term: Monday, 26 April to Friday, 2 July 1971

Session 1971-72

Michaelmas Term: Monday, 4 October to Tuesday, 14 December 1971 (Teaching begins Wednesday, 6 October)

Lent Term: Monday, 10 January to Friday, 17 March 1972

Summer Term: Monday, 24 April to Friday, 30 June 1972

Calendar 1970-71

(University functions in italics)

September 1970

1	Tu	
2	W	
3	Th	
4	F	
5	S	
<hr/>		
6	S	
7	M	
8	Tu	
9	W	
10	Th	
11	F	
12	S	
<hr/>		
13	S	
14	M	
15	Tu	Investments Committee, 5 p.m.
16	W	
17	Th	
18	F	
19	S	
<hr/>		
20	S	
21	M	
22	Tu	
23	W	
24	Th	
25	F	
26	S	
<hr/>		
27	S	
28	M	
29	Tu	
30	W	

Calendar 1970-71

October 1970

1	Th	
2	F	
3	S	
<hr/>		
4	S	
5	M	School Michaelmas Term begins. Building Committee, 5 p.m.
6	Tu	Publications Committee, 11 a.m. Standing Committee, 5.30 p.m.
7	W	<i>University Michaelmas Term begins.</i> Standing Sub-Committee of the Appointments Committee, 2 p.m.
8	Th	Graduate School Committee, 2 p.m.
9	F	
10	S	
<hr/>		
11	S	
12	M	Meeting of Professors of Economics, 2 p.m.
13	Tu	Safety Committee, 4 p.m.
14	W	General Purposes Committee, 2 p.m. <i>Board of Studies in Economics</i> , 2.30 p.m. <i>Higher Degrees Sub-Committee of the Board of Studies in Economics</i> , 4 p.m. Library Committee, 4.30 p.m.
15	Th	Athletics Committee, 4 p.m.
16	F	
17	S	
<hr/>		
18	S	
19	M	Student Health Service Committee, 4.15 p.m.
20	Tu	Committee on Undergraduate Studies
21	W	
22	Th	
23	F	
24	S	
<hr/>		
25	S	
26	M	
27	Tu	Admissions Committee, 10 a.m.
28	W	Appointments Committee, 2 p.m.
29	Th	Graduate School Committee, 2 p.m. Committee on First Degrees. Director's Reception for Academic Staff, 8 p.m.
30	F	
31	S	

Calendar 1970-71

November 1970

1	S	
2	M	Meeting of Professors of Economics, 2 p.m. Building Committee, 5 p.m.
3	Tu	Standing Committee, 5.30 p.m.
4	W	Academic Board, 2 p.m. Research Committee, 4.30 p.m.
5	Th	Accommodation Committee, 4 p.m. Director's Reception for Academic Staff, 8 p.m.
6	F	Committee on the Welfare of Overseas Students, 2 p.m.
7	S	
<hr/>		
8	S	
9	M	Refectory Advisory Committee, 4 p.m.
10	Tu	
11	W	Scholarships and Prizes Committee, 11 a.m. Standing Sub-Committee of the Appointments Committee, 2 p.m. Library Committee, 4.30 p.m.
12	Th	
13	F	
14	S	
<hr/>		
15	S	
16	M	Student Health Service Committee, 4.15 p.m.
17	Tu	Staff Research Fund Committee, 4.30 p.m.
18	W	Conference Grants Sub-Committee, 12 noon. Graduate School Committee, 2 p.m.
19	Th	
20	F	
21	S	
<hr/>		
22	S	
23	M	
24	Tu	
25	W	General Purposes Committee, 2 p.m.
26	Th	
27	F	Dinner for Headmasters and Headmistresses, 7.15 for 8 p.m.
28	S	
<hr/>		
29	S	
30	M	

Calendar 1970-71

December 1970

1	Tu	Admissions Committee, 10 a.m. Publications Committee, 11 a.m.
2	W	Appointments Committee, 2 p.m. <i>Board of Studies in Economics</i> , 2.30 p.m. <i>Higher Degrees Sub-Committee of the Board of Studies in Economics</i> , 4 p.m.
3	Th	Oration, 5 p.m.
4	F	
5	S	
<hr/>		
6	S	
7	M	Meeting of Professors of Economics, 2 p.m. Building Committee, 5 p.m.
8	Tu	Standing Committee, 5.30 p.m. Committee on Undergraduate Studies
9	W	Academic Board, 2 p.m.
10	Th	Meeting of Court of Governors, 5 p.m. Committee on First Degrees
11	F	
12	S	Children's Party, 3.30 p.m.
<hr/>		
13	S	
14	M	Reception for Administrative Staff, 5.45 p.m.
15	Tu	School Michaelmas Term ends. Committee of Management of the Eileen Power Memorial Fund, 12 noon
16	W	<i>University Michaelmas Term ends</i>
17	Th	
18	F	
19	S	
<hr/>		
20	S	
21	M	
22	Tu	School buildings close for Christmas holiday, 9.30 p.m.
23	W	
24	Th	
25	F	Christmas Day
26	S	Boxing Day
<hr/>		
27	S	
28	M	
29	Tu	
30	W	School buildings re-open, 9.30 a.m.
31	Th	

Calendar 1970-71

January 1971

1	F	
2	S	
3	S	
4	M	
5	Tu	Standing Committee, 5.30 p.m.
6	W	
7	Th	
8	F	
9	S	
10	S	
11	M	School Lent Term begins
12	Tu	
13	W	<i>University Lent Term begins.</i> Standing Sub-Committee of the Appointments Committee, 2 p.m.
14	Th	Graduate School Committee, 2 p.m.
15	F	
16	S	
17	S	
18	M	Meeting of Professors of Economics, 2 p.m.
19	Tu	Admissions Committee, 10 a.m.
20	W	General Purposes Committee, 2 p.m. <i>Board of Studies in Economics</i> , 2.30 p.m. <i>Higher Degrees Sub-Committee of the Board of Studies in Economics</i> , 4 p.m. Library Committee, 4.30 p.m.
21	Th	Safety Committee, 4 p.m.
22	F	
23	S	
24	S	
25	M	Student Health Service Committee, 4.15 p.m. Committee on Undergraduate Studies
26	Tu	
27	W	
28	Th	Athletics Committee, 4 p.m.
29	F	
30	S	
31	S	

Calendar 1970-71

February 1971

1	M	
2	Tu	
3	W	Appointments Committee, 2 p.m. Research Committee, 4.30 p.m.
4	Th	Accommodation Committee, 4 p.m.
5	F	
6	S	
7	S	
8	M	Building Committee, 5 p.m.
9	Tu	
10	W	Scholarships and Prizes Committee, 11 a.m. Academic Board, 2 p.m. Standing Sub-Committee of the Appointments Committee, 4.30 p.m.
11	Th	Committee on First Degrees
12	F	Dinner for Headmasters and Headmistresses, 7.15 for 8 p.m.
13	S	
14	S	
15	M	Meeting of Professors of Economics, 2 p.m.
16	Tu	Standing Committee, 5.30 p.m.
17	W	Standing Sub-Committee of the Appointments Committee (all day)
18	Th	
19	F	Committee on the Welfare of Overseas Students, 2 p.m.
20	S	
21	S	
22	M	
23	Tu	Admissions Committee, 10 a.m. Publications Committee, 11 a.m. Investments Committee, 5 p.m.
24	W	Conference Grants Sub-Committee, 12 noon. Library Committee, 4.30 p.m.
25	Th	
26	F	
27	S	
28	S	

Calendar 1970-71

March 1971

1	M	Refectory Advisory Committee, 4 p.m.
2	Tu	
3	W	General Purposes Committee, 2 p.m. Graduate School Committee, 4.30 p.m.
4	Th	
5	F	
6	S	
7	S	
8	M	Building Committee, 5 p.m. Committee on Undergraduate Studies
9	Tu	Staff Research Fund Committee, 4.30 p.m. Graduands' Reception, 6.30 p.m.
10	W	<i>Presentation Day.</i> Appointments Committee, 2 p.m. <i>Board of Studies in Economics</i> , 2.30 p.m. <i>Higher Degrees Sub-Committee of the Board of Studies in Economics</i> , 4 p.m.
11	Th	Athletics Committee, 4 p.m.
12	F	Conference for Headmasters and Headmistresses
13	S	Conference for Headmasters and Headmistresses
14	S	
15	M	Meeting of Professors of Economics, 2 p.m.
16	Tu	Standing Committee, 5.30 p.m.
17	W	Academic Board, 2 p.m.
18	Th	
19	F	School Lent Term ends
20	S	
21	S	
22	M	
23	Tu	
24	W	<i>University Lent Term ends</i>
25	Th	Meeting of Court of Governors, 5 p.m.
26	F	
27	S	
28	S	
29	M	
30	Tu	Admissions Committee, 10 a.m.
31	W	

Calendar 1970-71

April 1971

1	Th	
2	F	
3	S	
4	S	
5	M	
6	Tu	
7	W	School buildings close for Easter holiday, 9.30 p.m.
8	Th	
9	F	Good Friday
10	S	
11	S	Easter Sunday
12	M	Easter Monday
13	Tu	
14	W	
15	Th	School buildings re-open, 9.30 a.m.
16	F	
17	S	
18	S	
19	M	Committee on Undergraduate Studies
20	Tu	
21	W	
22	Th	Committee on First Degrees
23	F	
24	S	
25	S	
26	M	School Summer Term begins
27	Tu	
28	W	<i>University Summer Term begins.</i> Graduate School Committee, 2 p.m. Standing Sub-Committee of the Appointments Committee, 4 p.m.
29	Th	
30	F	

Calendar 1970-71

May 1971

1	S	
2	S	
3	M	Meeting of Professors of Economics, 2 p.m. Building Committee, 5 p.m.
4	Tu	Standing Committee, 5.30 p.m.
5	W	General Purposes Committee, 2 p.m. <i>Board of Studies in Economics</i> , 2.30 p.m. <i>Higher Degrees Sub-Committee of the Board of Studies in Economics</i> , 4 p.m. Library Committee, 4.30 p.m.
6	Th	Accommodation Committee, 4 p.m. Safety Committee, 4 p.m.
7	F	Committee on the Welfare of Overseas Students, 2 p.m.
8	S	
9	S	
10	M	Student Health Service Committee, 4.15 p.m.
11	Tu	Graduands' Reception, 6.30 p.m.
12	W	<i>Presentation Day</i> . Appointments Committee, 2 p.m. Research Committee, 4.30 p.m.
13	Th	
14	F	
15	S	
16	S	
17	M	Refectory Advisory Committee, 4 p.m.
18	Tu	Admissions Committee, 10 a.m.
19	W	
20	Th	Athletics Committee, 4 p.m. Honorary Fellows' Dinner, 7 for 7.30 p.m.
21	F	
22	S	
23	S	
24	M	Meeting of Professors of Economics, 2 p.m.
25	Tu	
26	W	Academic Board, 2 p.m.
27	Th	
28	F	
29	S	
30	S	Whit Sunday
31	M	Spring holiday

Calendar 1970-71

June 1971

1	Tu	Standing Committee, 5.30 p.m.
2	W	Scholarships and Prizes Committee, 11 a.m. General Purposes Committee, 2 p.m. <i>Board of Studies in Economics</i> , 2.30 p.m. <i>Higher Degrees Sub-Committee of the Board of Studies in Economics</i> , 4 p.m. Library Committee, 4.30 p.m.
3	Th	
4	F	
5	S	
6	S	
7	M	Building Committee, 5 p.m.
8	Tu	Publications Committee, 11 a.m.
9	W	Standing Sub-Committee of the Appointments Committee, 2 p.m.
10	Th	Meeting of Court of Governors, 5 p.m. Cocktail Party, 6 p.m.
11	F	Reunion Dinner, 7 for 7.30 p.m.
12	S	Open Day
13	S	
14	M	
15	Tu	Investments Committee, 5 p.m.
16	W	Conference Grants Sub-Committee, 12 noon
17	Th	Athletics Committee, 4 p.m.
18	F	
19	S	
20	S	
21	M	Meeting of Professors of Economics, 2 p.m.
22	Tu	
23	W	Academic Board, 2 p.m.
24	Th	
25	F	
26	S	
27	S	
28	M	
29	Tu	
30	W	Appointments Committee, 2 p.m. Graduate School Committee, 4.30 p.m.

1	Th	
2	F	School Summer Term ends
3	S	
<hr/>		
4	S	
5	M	Building Committee, 5 p.m.
6	Tu	Standing Committee, 5.30 p.m.
7	W	University Summer Term ends
8	Th	
9	F	
10	S	
<hr/>		
11	S	
12	M	
13	Tu	
14	W	
15	Th	
16	F	
17	S	
<hr/>		
18	S	
19	M	
20	Tu	
21	W	
22	Th	
23	F	
24	S	
<hr/>		
25	S	
26	M	
27	Tu	
28	W	
29	Th	
30	F	
31	S	

The Court of Governors

Chairman:

The Right Hon. Lord Robbins, C.H., C.B., M.A., B.SC.ECON., D.SC.ECON., D.LIT., L.H.D., LL.D., DR.LAWS, DR.UNIV.YORK, DR.R.C.A., DR.CIENC., F.B.A.

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⁴B. Donoghue, M.A., D.PHIL.

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Sir Alan Hitchman, K.C.B., B.A.

H. V. Hodson, M.A.

Bernard Hollowood, M.SC.ECON., M.A., F.R.S.A.

¹Nominated by the Inner London Education Authority

²Nominated by the London School of Economics Society

³Nominated by the Senate of the University of London

⁴Nominated by the Academic Board

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C.M.G., B.A.
The Right Hon. Lord Robens, LL.D.,
D.C.L., P.C.

¹Nominated by the Academic Board

²Nominated by the Senate of the University of London

³Nominated by the Inner London Education Authority

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F.I.I.T., J.P.
S. F. Wheatcroft, B.SC.ECON., F.R.Ae.S.
C. V. Wintour, M.B.E., M.A.
¹B. S. Yamey, B.COM.

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W. M. Allen, B.SC.ECON., M.A.
Vera Anstey, D.SC.ECON.
W. J. Baumol, B.S., PH.D.
Señor Don Pedro Beltrán, B.SC.ECON., LL.D., GRAND OFFICIER LEG. D'HONN.
K. E. Berrill, B.SC., M.A.
Sir Denis Brogan, CHEV. LEG. D'HONN., M.A., LL.D. D. ES LETTRES
Eveline M. Burns, B.SC.ECON., PH.D., D.HUMANE LETTERS
Sir Sydney Caine, K.C.M.G., B.SC.ECON., LL.D.
Eleonora M. Carus-Wilson, M.A., LL.D.
Sir Paul Chambers, K.B.E., C.B., C.I.E., B.COM., M.SC.ECON., D.SC., LL.D., D.TECH.
The Right Hon. Lord Chorley, Q.C., M.A., J.P.
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W. F. Crick, C.B.E., B.COM.
The Right Hon. Lord Crowther, M.A., LL.D., D.SC.ECON.
A. M. El-Kaissouni, B.COM., B.SC.ECON., PH.D.
O. Emminger, DR. OEC. PUBL.
Eve V. Evans, B.A.
Sir Robert Fraser, O.B.E., B.A., B.SC.ECON.
M. Ginsberg, M.A., D.LIT., LL.D., F.B.A.
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The Director
The Pro-Director
Mrs. A. M. C. Carter (Chairman)
Professor W. T. Baxter (co-opted)
Mr. D. E. Baines
Mrs. B. A. Geber
Mrs. K. F. Russell
Four student members

} *ex officio*

COMMITTEE ON UNDERGRADUATE STUDIES

The Director
The Pro-Director
The Dean of Undergraduate Studies (Dr. P. S. Cohen) (Chairman)
Dr. M. E. F. Bloch
Dr. C. Board
Professor A. C. L. Day
Dr. B. Donoughue
Mr. J. G. H. Newfield
Professor A. C. Offord
Mr. S. A. Roberts
Mr. N. R. A. Sims
Professor D. P. Waley
Nine Student Members

} *ex officio*

Committee Members

GENERAL PURPOSES COMMITTEE

The Director
The Pro-Director
The Vice-Chairman of the Academic Board (Professor F. J. Fisher) } *ex officio*
Mr. M. E. Falkus
Mr. G. A. Grün
Dr. G. W. Jones
Dr. W. Letwin
Dr. D. A. Martin
Mr. K. R. Minogue
Mr. E. A. Roberts
Professor L. B. Schapiro
Professor A. A. Walters
Professor J. W. N. Watkins
Mr. D. C. Watt
Professor M. J. Wise

The Academic Board has offered students six places on the General Purposes Committee, namely the Presidents of the Students' Union and the Graduate Students' Association *ex officio* plus one student from each of the four departmental groups.

GRADUATE SCHOOL COMMITTEE

The Director
The Pro-Director
Professor M. J. Wise (Chairman) } *ex officio*
Professor P. T. Bauer
Dr. N. Denison
Professor J. Durbin
Professor F. J. Fisher
Professor G. L. Goodwin
Professor H. R. G. Greaves
Professor R. J. Harrison Church
Professor H. T. Himmelweit
Professor J. B. Joll
Professor E. Jones
Professor I. Lakatos
Professor R. T. McKenzie
Professor B. C. Roberts
Professor B. S. Yamey

PUBLICATIONS COMMITTEE

The Director
The Pro-Director } *ex officio*
The Librarian
Professor R. T. McKenzie (Chairman until 31.12.70)
Professor M. W. Cranston (Chairman from 1.1.71)

Committee Members

Mr. J. B. Gillingham
Mr. A. D. Jones
Dr. B. V. Hindley
Mr. K. R. Minogue
Mr. N. A. Spence
Mr. D. C. Watt

SCHOLARSHIPS AND PRIZES COMMITTEE

The Director
The Pro-Director
The Chairman of the Admissions Committee (Professor W. T. Baxter) } *ex officio*
The Deputy Chairman of the Admissions Committee (Dr. R. C. Estall)
Professor S. F. C. Milsom (Chairman)
Dr. R. R. Orr (Vice-Chairman)
Dr. C. M. Bell
Mr. R. J. Bullen
Mr. K. Klappholz
Miss A. A. Nevitt
Dr. J. B. Thornes
Mr. J. E. Hall Williams

STUDENT RESIDENCE COMMITTEE

The Director
The Pro-Director
The Warden of Passfield Hall (Mr. J. A. W. Forge) } *ex officio*
The Warden of Carr-Saunders Hall (Mr. M. Bromwich)
The Adviser to Women Students (Mrs. B. R. Scharf)
Dr. G. F. D. Dawson
Mr. K. Klappholz
Mr. M. H. Banks (*nominated by the Building Committee*)
Mrs. H. A. Rose

The Academic Board has offered students six places on the Student Residence Committee, namely the Welfare Vice-President of the Students' Union and the Chairman of the Students' Housing Committee *ex officio* plus four elected student members.

Appointments Committee and its Committees

APPOINTMENTS COMMITTEE

The Appointments Committee consists of the Director, the Pro-Director, all professors, any other conveners of departments and other "heads of departments" if any.

Committee Members

RESEARCH COMMITTEE

- The Director
- The Pro-Director
- The Librarian
- The Computer Services Manager
- Professor A. S. Douglas
- Professor D. V. Glass
- Professor H. T. Himmelweit
- Professor I. Lakatos
- Dr. I. H. Nish
- Professor B. C. Roberts
- Professor J. D. Sargan
- Professor P. J. O. Self
- Mr. J. E. Hall Williams

} *ex officio*

STANDING SUB-COMMITTEE OF THE APPOINTMENTS COMMITTEE

- The Director
- The Pro-Director
- Professor B. Abel-Smith
- Professor H. C. Edey
- Professor W. M. Gorman
- Professor H. R. G. Greaves
- Professor R. M. Hatton
- Professor D. G. MacRae
- Professor S. F. C. Milsom
- Professor M. J. Wise

} *ex officio*

Committees Advisory to the Director

ACADEMIC POLICY COMMITTEE

- The Director
- The Pro-Director
- The Chairman of the Graduate School Committee (Professor M. J. Wise)
- The Dean of Undergraduate Studies (Dr. P. S. Cohen)
- The Librarian
- The Vice-Chairman of the Academic Board (Professor F. J. Fisher)
- Professor W. T. Baxter
- Dr. K. Bourne
- Dr. N. Denison
- Mr. H. Glennerster
- Mr. J. Hajnal
- Mr. W. H. N. Hotopf
- Professor D. H. N. Johnson
- Mr. K. Klappholz
- Dr. W. Letwin
- Dr. H. S. Morris

} *ex officio*

Committee Members

- Professor T. P. Morris
- Professor F. S. Northedge
- Professor D. E. G. Plowman
- Dr. E. Primorac
- Professor B. C. Roberts
- Mr. J. V. Rosenhead
- Professor J. D. Sargan
- Professor L. B. Schapiro
- Mr. D. J. Sinclair
- Mr. A. W. G. Stewart
- Mr. D. A. Thomas
- Professor J. W. N. Watkins
- Professor M. J. Wise

ADMISSIONS COMMITTEE

- The Director
- The Pro-Director
- Professor W. T. Baxter (Chairman)
- Dr. R. C. Estall (Deputy Chairman)
- Mr. A. J. Beattie
- Dr. K. Bourne
- Dr. N. Denison
- Mr. M. E. Falkus
- Mr. W. H. N. Hotopf
- Mr. K. Klappholz
- Professor I. M. Lewis
- Mr. K. R. Minogue
- Professor A. C. Offord
- Professor D. E. G. Plowman
- Mr. J. Potter
- Mr. P. G. Taylor
- Dr. D. G. Valentine
- Dr. M. E. F. Vaughan
- Professor D. P. Waley
- Dr. K. F. Wallis
- Mr. G. L. Williams

ATHLETICS COMMITTEE

- Dr. R. C. Estall (Chairman)
- Dr. A. J. Scott (Vice-Chairman)
- Dr. B. Donoughue
- Mr. J. B. Gillingham
- Mr. K. R. Minogue (*representing the Senior Common Room*)
- Two representatives of the L.S.E. Society
- The President of the Athletic Union
- Four members, one of whom must be a woman, nominated from time to time by the Executive Committee of the Athletic Union
- The Pro-Director

} *appointed by the Court of Governors*

} *nominated by the Academic Board*

Committee Members

COMMITTEE ON THE WELFARE OF OVERSEAS STUDENTS

The Pro-Director
Mr. R. Chapman (Chairman)
The Adviser to Women Students (Mrs. B. R. Scharf)
Dr. W. Letwin
Miss A. A. Nevitt
Dr. I. H. Nish
Mr. J. Potter
Mr. J. J. Thomas
The Welfare Vice-President of the Students' Union
The Chairman of the Union's Committee on Overseas Students' Welfare
Two other members of that Committee

The Academic Board has offered to increase the number of student members to eight including the Welfare Vice-President *ex officio*.

REFECTORY ADVISORY COMMITTEE

The Director
The Pro-Director
Mr. J. R. Gould (Chairman) *appointed by the Court of Governors*
Two representatives of the Senior Common Room
Two representatives of the Administrative Staff Common Room of whom one must be a member of the Library Staff
Five student members (including the Senior Treasurer of the Students' Union)

Administrative Staff

Director

Sir Walter Adams, C.M.G., O.B.E., B.A., LL.D.
(Private Secretary: Gwendoline M. Bingham)

Academic Secretary

J. Alcock, B.A.
(Private Secretary: Frances Tomkins)

Financial Secretary

J. Pike, C.B.E., M.A.
(Private Secretary: Denise J. Prosser)

Deputy Secretary and Bursar

W. S. Collings, B.A.

Deputy Academic Secretary and Registrar

G. Ashley, B.A.

Accountant

B. T. Parkin, F.C.A.

Susan Applestone, B.A.: *Administrative Officer (Appointments)*
Ilse T. Boas, B.SC.ECON.: *Assistant Registrar (Timetabling)*
Anne M. Bohm, PH.D.: *Secretary of the Graduate School*
C. J. T. Braybrook: *Assistant Bursar*
Shirley A. Chapman: *Information Assistant*
E. W. H. Clark, A.C.A.: *Assistant Accountant*
P. D. C. Davis, B.A.: *Publications Officer*
J. A. G. Deans, M.B.E.: *Supplies Officer*
Ruth Engel: *Administrative Secretary (Economics Department)*
S. A. Godfrey, B.SC.ECON.: *Bursar's Department*
Sheila J. Gowlett, B.A.: *Administrative Assistant (Graduate School)*
W. Harrison, A.C.I.S.: *Assistant Accountant*
Felicity A. G. Mate, B.A.: *Administrative Assistant (Students' Union)*
Joyce M. Metcalfe, B.A.: *Assistant Accountant (Superannuation)*
G. T. Mitchell: *Assistant Bursar*
Evelyn M. Myatt-Price, M.A.: *Senior Assistant Registrar*
Rosemary Nixon, B.A.: *Assistant Registrar (Undergraduate Admissions)*
P. J. Pasmore, A.A.C.C.A.: *Assistant Accountant*
Jennifer A. Pinney: *Research Secretary (Higher Education Research Unit)*
R. M. Shutz, LL.B., BARRISTER AT LAW: *Assistant to the Secretaries*
Caroline I. Vining, B.A., BARRISTER AT LAW: *Personnel Officer*
G. J. Wilson, A.R.I.C.S.: *Building Surveyor*

Administrative Staff

Principal Clerks and Chief Clerks

Joan M. Alstin: *Timetabling Office*
Betty Barron: *Economica Publishing Office*
Dorothy E. Bell: *Personnel Department*
Elsie A. Betts: *Academic Secretary's Department*
Helen Beven, B.A.: *Law Department*
Jetta L. Bruce: *Law Department*
Jean M. Carr: *Survey Research Centre*
Dora W. Cleather: *Accounts Department*
Molly St. C. Coales: *Accounts Department*
Gwendolyn V. Coggar: —
I. Elsie Cooper-Hannan, B.A.: *Correspondence Department*
Jean M. R. Curry: *Accounts Department*
Winifred M. Davis, B.SC.ECON.: *Registry*
Anne D. Dix: *Sociology Department*
Janet A. Fox: *Geography Department*
Ruth H. Griffiths: *Social Science Department*
Naomi G. Hickman, B.SC.SOC.SCI.: *Personnel Department*
Kathleen D. Hill: *Social Science Department*
Anne Isted: *Accounts Department*
Margaret Y. M. Jones: *Sociology Department*
Myra S. Kaffel: *Academic Secretary's Department*
Barbara M. Lenny: *Graduate Admissions Office*
Joan L. McCormack: *Registry*
Marjorie Mimms: *Filing Department*
Maureen J. Mulvany: *Social Science Department*
Christine Newman: *Graduate School Office*
Barbara E. Powrie, B.SC.SOC.: *Bursar's Department*
Morag W. Rennie: *Social Psychology Department*
Gladys A. Rice: *Anthropology Department*
Joan C. Rowat: *Survey Research Centre*
Flora D. Sands: *Accounting Department*
Elizabeth A. Schnadhorst, A.R.C.M.: *Government Department*
Ella Stacey, B.A.: *International Relations Department*
Iris E. Tabner: *Personnel Department*
Ann Trowles: *Sociology Department*
Marian Vaughan: *Statistics Department*

Geography Department

D. G. C. Judd: *Chief Technician*
Eunice Wilson: *Chief Technician*
N. L. Cadge: *Map Librarian*

Psychology Department

K. M. Holdsworth: *Chief Technician*

Administrative Staff

Health Service

J. A. Payne, M.B., B.S., D.(OBST.), R.C.O.G. (LONDON): *Senior Health Service Officer*
H. N. Levitt, O.B.E., L.M.S.S.A. (LONDON), D.P.H., R.C.S. (ENG.), F.R.C.G.P.: *Health Service Officer (Part-time)*
Camilla Bosanquet, M.B., B.CHIR. (CAMBRIDGE), M.R.C.S. (ENG.), L.R.C.S. (LONDON), D.C.H. (ENG.), D.P.M.: *Psychiatric Adviser (Part-time)*
Agnes H. Wilkinson, M.B., CH.B. (BIRMINGHAM), M.R.C.P. (LONDON): *Psychiatric Adviser (Part-time)*
Valerie Little, B.SC.PHYSIOL. (LONDON), M.B., B.S. (LONDON), M.R.C.S. (ENG.), L.R.C.P. (LONDON): *Special Adviser to Women Students (Part-time)*
I. K. Lewkonia, M.B., CH.B. (LIVERPOOL), M.R.C.S. (ENG.), L.R.C.P. (LONDON), D.O. (ENG.), D.C.H., D.OBST., R.C.O.G., F.R.C.S.: *Ophthalmic Surgeon*
P. Ayling, B.D.S. (EDINBURGH): *Dental Surgeon*
J. Skuse, B.D.S. (LONDON), L.D.S., R.C.S. (ENG.): *Dental Surgeon*
Jennifer M. E. Saville-Sneath, S.R.N.: *School Nurse*

Maintenance and Catering Staff

D. G. Morris: *Catering Manager*
Eileen P. Campbell: *Assistant Catering Manager*
E. Brown: *House Manager*
W. C. Frisby: *Chief Electrician*
F. C. Jones: *Technical Assistant to the Surveyor*
L. F. Kearey: *Head Porter*
Elizabeth M. S. Dunwoody, M.I.M.A.: *Housekeeper*

Carr-Saunders Hall

M. Bromwich, B.SC.ECON.: *Warden*
Elsie J. Wiltshear, M.I.M.A.: *Resident Bursar*
R. M. Lewis, LL.B., M.SC.: *Sub-Warden*

Passfield Hall

J. A. W. Forge, M.A.: *Warden*
Ursula A. Thomas, B.SC., F.I.M.A.: *Bursar and Assistant Warden*
F. R. Bridge, B.A., PH.D., A.K.C.: *Sub-Warden*
R. J. Bullen, B.SC.ECON.: *Sub-Warden*

Computer Services

Computer Services Manager

F. F. Land, B.SC.ECON.
Margaret Elliott: *Senior Programmer*
Susan Jones, B.A.: *Senior Programmer*
P. J. Wakeford, B.SC.ECON.: *Senior Programmer*
Carol R. Hewlett: *Programmer*
Hazel O'Hare, B.SC.ECON.: *Programmer*
V. Peksa, PROM.MAT.: *Programmer*
E. Siereveld: *Reception and Data Processing Supervisor*

British Library of Political and Economic Science

Librarian

D. A. Clarke, M.A.

Deputy Librarian

C. P. Corney, B.LITT., M.A.

Sub-Librarians

C. G. Allen, M.A.: *Superintendent of Readers' Services*

Martha E. Dawson, M.A.: *Chief Cataloguer*

Maria Nowicki, LL.M.: *Acquisitions Officer*

Senior Assistant Librarians and Assistant Librarians

B. G. Awty, B.A.: *Readers' Services*

E. C. Blake, B.A.: *Head of Official Publications Section*

Margaret N. Blount, B.A.: *Cataloguing*

D. A. Bovey, B.SC.ECON.: *Readers' Services*

Carolyn Brand, B.A.: *Cataloguing*

Jane T. Henderson, B.A.: *Acquisitions*

W. Hughes, B.A.: *Cataloguing*

B. R. Hunter, B.A.: *Slavonic Collections*

Christine G. James, M.A.: *Acquisitions*

Diane L. McDonald, B.A.: *Official Publications*

Alicia N. Merrett, LIC.SOC.: *Latin American Collections*

K. O. Parsons, M.A.: *Law*

R. O. A. Robson, B.A.: *Cataloguing*

J. M. Walpole, B.A.: *Acquisitions and Teaching Library Liaison*

Principal Library Assistants

F. W. Blackburn: *Binding*

Nora C. F. Blacklock: *Superintendent of the Teaching Library*

E. W. P. Rhoades: *Administration*

Diana Stanley: *Supervisor of Clerical Services*

Joan M. Warren: *Periodicals*

Senior Library Assistants

Marjorie M. Burge, B.A., T. B. Coleman, K. J. Hodgson, B.MUS.: *Shaw Library*,

Rachel R. Lewis, B.A., Deirdre McKellar, Susan Reed, M.A., Charlotte A.

Rosenbaum, B.A., Diana M. Wates, Rosemary White.

Honorary Consultant on the History of Book Production

Marjorie Plant, D.SC.ECON.

History of the School

The founding of the School marked the conjunction of a need with an opportunity. The need was for a centre where political and social problems could be studied as profoundly as they were being studied in universities on the continent and in America. The opportunity came when Henry Hunt Hutchinson, a member of the Fabian Society, died in 1894 leaving instructions that Sidney Webb and four other trustees were to dispose of the residue of his estate for socially progressive purposes, but otherwise more or less as they thought fit. Sidney Webb working without 'the formalities of charters and incorporations, of public subscriptions and government grants, boards of trustees and governors' collected subscriptions and started his School. Its aim was to contribute to the improvement of society by promoting the impartial study of its problems and the training of those who were to translate policy into action.

The School opened modestly in October 1895 in rooms at 9 John Street, Adelphi, moving next year to 10 Adelphi Terrace, later the home of Bernard Shaw. It was here in November 1896 that the School's library, The British Library of Political and Economic Science, was started. From the first the School set itself to cater for older students as well as for those of normal university age, attracting them particularly from business and administration; and from the first held itself open equally to students of both sexes.

Once the University of London had reorganised itself in 1900, and established a Faculty of Economics and Political Science, the School joined the University, its three-year course providing the basis of the new B.Sc. (Econ.) degree. Since the formality of its new position required the School to regularise its constitution, it was incorporated as a limited company not trading for profit, on 18 June 1901, with Sidney Webb as Chairman of the Governors. The Memorandum of Association (Section 3 vii) authorised the School to promote 'the study and advancement of Economics or Political Economy, Political Science or Political Philosophy, Statistics, Sociology, History, Geography, and any subject cognate to any of these'. And Article 28 of the Articles of Association stated that 'no religious, political, or economic test or qualification shall be made a condition for or disqualify from receiving any of the benefits of the Corporation, or holding any office therein; and no member of the Corporation, or professor, lecturer or other officer thereof, shall be under any disability or disadvantage by reason only of any opinions that he may hold or promulgate on any subject whatsoever'.

Numbers soon rose; and in 1902 the School moved into its first purpose-built accommodation. The site was provided by the London County Council in Clare Market; the money for building was donated by Mr. Passmore Edwards and others. By 1913 the building was seriously overcrowded; and the School's subsequent history is a saga of rising numbers, constantly diversifying academic interests and too little space. In 1921 the School was recognised by the University Faculty of Laws; in 1922 by the Faculty of Arts; in 1963 by the Faculty of Science. Research and teaching have expanded from small beginnings into the complex range of disciplines set forth later in this Calendar. In 1921 the journal *Economica* was founded;

History of the School

in 1934 *Politica*, which ceased publication during the war. The Library has expanded likewise, until it is now, within its chosen fields, probably the finest collection in the world. And the School buildings, though they have not expanded in step with the needs implied by this growth have been added to and adapted so as to provide space for snack-bars and dining-rooms, homes for statistical machines, meeting-rooms for student gatherings, and modest facilities for physical recreation, in addition to more accommodation for conventional academic needs.

There is a full account of the foundation of the School in *The History of the Foundation* by Sir Sydney Caine; and a survey of subsequent development in F. A. von Hayek, 'The London School of Economics, 1895-1945', *Economica*, February 1946.

Report by the Director on the Work of the School During the Session 1968-69

The session 1968-69 was gravely disturbed by student troubles, but these over-publicised events must not obscure the continued services of the School in teaching, research and many other ways. In spite of the difficulties the School's teaching work was carried out and the great majority of students were enabled to complete their work successfully.

The list of publications of members of the staff, of which the annual instalment appears later in this *Calendar*, is only one indication of the continuing contribution of the School to the development of the social sciences. If it were possible to supplement this with a continuing record of publications by former staff and students, the School's direct and indirect service to the advancement of learning would be a striking demonstration of the result of the concentration in one institution of so much of Britain's academic work in this field of scholarship. The journals published from the School, including *Economica*, the *British Journal of Industrial Relations*, the *Journal of Transport Economics and Policy*, *The British Journal of Sociology* and *Population Studies* provide a further valuable service, as do series such as *L.S.E. Monographs on Social Anthropology*, the new series initiated this year of *L.S.E. Research Monographs* and the separate books issued under the joint publication scheme between the School and Weidenfeld and Nicolson. This session saw the publication by the Geography department of the first part of the *Atlas of London*, the product of six years of group research on the 1961 census material and an innovation in mapping presentation.

In addition to the grant reported last year of \$280,000 for the initiation of the Centre for International Studies, two major grants were given to the School by the Ford Foundation: \$230,000 over five years for the continued support of its demographic training programme and \$195,000 over three years for the work of the Higher Education Research Unit. The School's Research Committee completed its survey and cost analysis of the research units attached to the School, which showed that in respect of research financed by £230,000 from outside funds, the School was contributing the equivalent of £50,000 towards overheads as assessed by the Committee's formula for accommodation and central costs. Although this contribution of School resources towards externally financed research was less than had been guessed before it was measured, it raises a general issue which is of increasing concern to universities. Very few research grants, whether from the Research Councils or from private foundations and benefactors, include a factor to pay for the full overheads, including rent, library and administration costs. In accepting them a university has, therefore, to divert some of its general resources to meet these overheads and, to that extent, allow its expenditure priorities to be influenced by external bodies. It is of course free to refuse an offer that does not meet full costs, but the mutuality of interests between donor and recipient is usually sufficient to make so harsh a decision unrealistic over what appears to be the quantitatively minor factor of overheads. The donor, in order to conserve his funds and to ease the task of selecting from a multitude of applicants, may regard the university's willingness to meet overheads as an earnest of the importance it attaches to the research proposal. The university, under

Report by the Director

pressure from one of its departments or members, is tempted to invest a small sum to gain a large and prestigious grant. The Treasury may argue that it is providing overheads to the universities through the University Grants Committee block grants and would be paying twice if it sanctioned the inclusion of overheads within research grants from departments or the Councils.

The financial situation of the universities calls for a reconsideration of the present conventions. The universities are increasingly dependent on their block grants, which allow for little growth, development or redeployment of expenditure and are closely geared to student number targets. The tax system discourages charitable gifts to the universities from the private sector, and the universities are not encouraged to seek private or alternative sources of recurrent income by the belief, mistaken or not, that such income may reduce their block grants. Increasingly the Research Councils, the foundations, industry and commerce are developing research preferences or policies of their own, to the pattern of which the university is tempted to conform. If the universities cannot be given free funds for research by endowment, or a greater recognition cannot be accorded in their block grants of their non-teaching functions, in order to strengthen their autonomy in deciding their own research priorities, Government might at least give a lead to its departments and the Research Councils to remove this irritant of non-payment of overheads and thus encourage the private foundations and benefactors to follow that lead.

Proposals that the Research Committee approved during the session for association with the Institute of Manpower Studies are an example of a more satisfactory arrangement. Under these, the financing will be on a full-cost basis, and the School's contribution to the Institute will be academic and not in the form of financial, material or administrative resources.

The research and publications activities of the School can be only crudely indicated in this *Calendar*. So also other services to the community by the School are quite inadequately represented by the entries under 'Official Reports Signed by Members of the Staff' and 'Public Lectures'. In any session many members of staff are serving on public commissions or enquiries or holding high office in bodies like the Council for National Academic Awards or in professional organizations. Some have been granted leave from School duties, as, for example, the Professor of Social Statistics in order to act as head of the Central Statistical Office, the Professor of Public Administration to assist in the establishment of the Civil Service College, one of the Professors of Social Administration to assist the Lord President of the Council in planning the national reorganization of the social services, and one of the economics lecturers for advisory service in the Bank of England. Members of staff have been lent to the University of Hong Kong to assist in building up its new department of Law and others to the University of Ghana to help in the development of social work training. This academic migration and external activity is not a one-way movement. Throughout the year the School and its Library continued to welcome academic visitors from other British and overseas universities, as occasional lecturers, participants in seminars, and research colleagues. Under its existing schemes for Visiting Members, the School granted this status to 39 colleagues. It has now, with the agreement of the University of London, established a new scheme for Visiting Professorships, under which it hopes to attract to its membership a limited number of distinguished specialists from the public services,

Report by the Director

from industry, banking, the trades unions and other sectors, on temporary secondment or by other flexible arrangements.

The public lectures are only some of the open activities that occur throughout the year in the School's premises, whether organized by the staff or Students' Union societies or by outside organizations. Notable examples were the conferences on Tax Policies organized by Professor Wheatcroft in the long vacation 1968, and the vacation courses on Personnel Management organized by Miss Nancy Seear. The Admissions Committee continued its evening receptions for headmasters, headmistresses and principals of technical colleges from the London district and its weekend conference for heads of schools from further afield. The students of the Geography department and the students of the Economic History department continued their conferences for sixth-form pupils in London schools. The Students' Union organized a three-day teach-in on Southern Africa, and the political and religious societies invited numbers of outside speakers.

Buildings and accommodation

There were no significant additions to the School's accommodation resources during the session. The Library continued in its woefully inadequate premises, in discomfort and physical inefficiency made all the harder to endure by the Dainton Committee's description of it as 'the largest special library in London and, probably, in the country. It contains over 800,000 volumes in the social sciences and is widely regarded as the world's most outstanding library in its field'. A minor scheme for the adaptation and extension of the Smith Memorial Hall was rejected by the University Court and the University Grants Committee because of its high cost. The two new major buildings, St. Clements extension and Clare Market were nearing completion at the end of the session. They will bring no nett addition of usable space to the School's resources, after allowing for the loss of the old buildings which they replace and the prospective loss in 1971 of the rented accommodation in Clements Inn when the present leases expire. The anonymous benefactor who has presented several halls of residence to the colleges of the University of London, including Carr-Saunders Hall to the School, has placed us yet further in grateful debt to him by offering an additional gift of a hall if we can find and acquire a suitable site within a time limit, which we hope to fulfil.

During the session the School completed a return requested by the University Grants Committee for its survey of 'Use of Capacity' in British universities. This disclosed the not unexpected result that by a strict application of the admittedly crude unit norms adopted by the University Grants Committee for student, staff and related accommodation, the School's premises (including the new buildings) have a capacity for 2,738 students. The target set by the University Grants Committee and the University Court for the School in 1971-72 is 2,931 full-time students (1,725 undergraduate and 1,206 postgraduate). The School can cope with its existing numbers of full-time and part-time students only by an unusually intensive use of its space, made possible by the extension of its teaching day, the administrative centralisation of room allocation and timetabling, a severe limitation of provision of specialised or departmentally controlled accommodation, and the acceptance of exceptionally low norms for library and social and recreational space.

The congestion in the School was recognised long before this recent survey

Report by the Director

translated it into specific figures. It is not surprising therefore, that in November 1968, Sir John Wolfenden, shortly before his retirement from the chairmanship of the University Grants Committee, made the following reference to the School in a statement on site problems to representatives of the Court and Senate of the University of London:

'I have left to the last the London School of Economics, where all the problems of space and site availability reach maximum intensity. The position can be stated briefly, even brutally. Short of spending many millions of pounds on the acquisition and conversion of neighbouring properties, the development of the sites available or likely to be available in the foreseeable future, looks like providing a total amount of space which, after allowing for proper provision for the magnificent library of the School, might be adequate for not much more than, say, 2,000 students. Unless a large part of the cost of acquiring additional sites can be met from non-Exchequer sources, the question must inevitably arise whether a radical restructuring of the School within a total of 2,000 students, mainly perhaps postgraduate, has to be contemplated'.

The reference by Sir John Wolfenden to meeting a large part of the cost of site acquisition from non-Exchequer sources points to the solution on which the School has been concentrating. If the Library could be rehoused in a neighbouring building, there would be a dramatic relief for all School activities and a radical improvement in the accessibility of the Library's unique resources. In preparation for an appeal for financial support for this purpose and for other needs of the School, an organization of 'Friends of the L.S.E.' has been established in North America and steps taken to create similar bodies elsewhere. Steps are being taken to bring the register of graduates up to date.

Student numbers

The total number of students registered in 1968-69 was 3,372 compared with the total of 3,439 in 1967-68. Within these totals the number of overseas students showed a continuing decline, from 926 to 870. The proportion of women students in the total remained at about 26 per cent. The decline by 73 in the number of first-degree students was not compensated, as I had hoped, by a rise in the number of higher-degree students, which actually fell by 46. The failure of the number of higher-degree students to rise is in part at least due to the absence of sufficient grant or loan funds to enable qualified candidates to take up places offered by the School.

Within the new intake for the session were 10 students from Czechoslovakia who had decided not to return to their own country. They were excused from payment of fees. For their maintenance, an appeal by members of the School, including the Students' Union, raised £5,479 to supplement funds available from a national appeal administered by World University Service.

Finance

There were no substantial changes in the grants from the Court of the University of London other than earmarked funds to provide for the increases in salaries for academic and para-academic staff permitted by the University Grants Committee

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after the settlement arising from the award of the Prices and Incomes Board. The absence until April 1970 of compensation for rising costs, under the 'Brown index' for universities, in respect of the whole of the period from July 1967 to June 1969, involves a substantial loss of income to the School, as for all other university institutions, since we shall have to absorb these rising costs in general income. Budgeting of recurrent expenditure for the session and for the quinquennium has had to be on the basis of an almost flat rate of growth and the avoidance of any substantial ongoing commitments. Only three new junior posts could be authorised in the session, and no new academic innovations undertaken. Financial limitations also prevented some staff promotions, but a still stronger inhibiting factor in this regard was the continued operation of the University Grants Committee senior/junior ratio aimed at restricting the proportion of senior staff (professors, readers and senior lecturers) to 35 per cent. This is quite inappropriate for the University of London with its heavy commitments in postgraduate teaching and is peculiarly inconsistent with the setting of a quinquennial target of a proportion of 41 per cent postgraduates for the School in comparison with the present national average of 17.3 per cent postgraduates. It is in a gloomy mood that we now embark on preparing the 'development policy' for the quinquennium 1972-77, which the University has asked us to submit early in 1970.

Benefactions and non-University Grants Committee grants in the session, for which the School is most grateful, continued to be earmarked mainly for research and fellowships. Two gifts during the session call for special mention. Dr. Audrey Richards presented a beautiful set of silver candlesticks, which will now grace Senior Common Room dinners and other occasions of formal School hospitality. The Friends of the L.S.E. added to their previous benefactions by a gift for the redecoration and refurnishing of the Graham Wallis Room.

Machinery of government

Lord Robbins succeeded Lord Bridges as Chairman of the Court of Governors and had a strenuous first year of office, with several special meetings of the Court and very frequent, for a period daily, meetings of the Standing Committee of the Court, as a result of student turbulence throughout the session. There were several changes in membership of the Court through individual departures and additions. The Court agreed to appoint three members, instead of one, nominated by the L.S.E. Society (the association of graduates of the School) and seven instead of five members of the Academic Board elected by the Board. The Court also offered three places, later increased to six, in its membership to full-time students of the School, but at the end of the session the student body had not responded to the offer; nor had the students responded to offers of student membership of the Library Committee, and only by *ad hoc* appointments to the offer of membership of the Building Committee.

The five, later seven, members of the Court elected by the Academic Board were appointed to the Standing Committee, in place of the previous arrangement by which only the three senior of the five served on that Committee. The presence of seven academic Governors, together with the Director and Pro-Director, on the Standing Committee results in an equality of academic and non-academic members.

The Academic Board offered places to student representatives on almost all its

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committees, as did I on committees advisory to myself, but due to other preoccupations the Students' Union had not responded to these offers by the end of the session, other than to make *ad hoc* arrangements for three student members to serve on the General Purposes Committee of the Academic Board.

The importance of the post of Chairman of the Graduate School Committee was recognised by arrangements whereby the Chairman will devote a greater part of his time to the Committee's affairs. Professor Wise was the first to accept appointment under these arrangements. Towards the close of the session, with the concurrence of the Academic Board, I appointed an Academic Policy Advisory Committee, whose main initial duties will be to assist in the preparation of the School's academic plan for the next quinquennium, 1972-77, and to supervise the academic business which the University is increasingly delegating to its constituent colleges and schools.

During the session staff disciplinary procedure was amended by the appointment of an *ad hoc* Appellate Tribunal, for which there was no provision previously, and the regulations for Students, including disciplinary procedures, were substantially revised, including provision for student participation.

The Students' Union did not succeed in achieving an agreed plan for the reform of its own constitution. During the session, two Presidents, Mr. Colin Crouch and Mr. Francis Keohane, resigned with their Councils, rather than carry out policies proposed by special or emergency meetings of the Union to which they were opposed.

Colleagues

At the end of the session three of our internationally distinguished academic colleagues retired: Professor M. J. Oakeshott, who came to the School as Professor of Political Science in 1951; Professor Sir Karl Popper, who joined the department of Philosophy, Logic and Scientific Method in 1946; and Professor I. Schapera, who, after earlier service in the department of Anthropology in the 1920s, rejoined the School as Professor of Anthropology in 1950. We are delighted that their plans for an active life of retirement will enable them to remain in close personal association with the School.

The end of the session also saw the retirement of two of the School's porters who had given exceptionally long and devoted service: Mr. E. E. T. Scribbins, who joined the School in 1930, and Mr. W. C. Wall, who joined in 1923.

It was with sorrow that the School learned of the deaths of Professor T. S. Ashton, who was Professor of Economic History at the School from 1944 to 1954; of Professor Herman Finer, who was a member of the teaching staff of the School from 1920 to 1942; and of Lord Bridges, who was Chairman of the Court of Governors from 1957 to 1968.

'Oppressive tolerance' and 'creative vandalism'

In discussing the troubles that beset the School during the session, I am tempted to use some of the new grotesque language in which the pamphleteers conducted their debates. For the first half of the session the School's policy of issuing warnings and not invoking disciplinary action was regarded by some militants as 'oppressive tolerance'. In the second half of the session, direct action by students included the

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advocacy of 'creative vandalism' - 'Wreck something today!!' as one pamphlet urged.

The main events were:

- (i) the occupation of the School premises during the weekend October 25-27
- (ii) the threat to disrupt the Oration on December 5
- (iii) the Southern African issue of January
- (iv) the destruction of the gates on January 24
- (v) the disciplinary proceedings, and
- (vi) the interruption of lectures in the third term.

The occupation of October 25-27

As the session opened, plans on a national scale were developing for a massive demonstration in London on Sunday, October 27, against the war in Vietnam. In anticipation of the possibility of street violence, owners of public and private buildings on or near the procession routes, which included Fleet Street and the Strand, took security measures. At a Students' Union meeting on October 17, after Standing Orders had been suspended, a motion was passed in favour of an occupation of the School buildings during the Vietnam weekend to initiate continuous discussion of the war and to provide 'sanctuary and medical assistance' for participants in the demonstration. A specially convened meeting of the Union on October 23, attended by 1,200 students, passed a motion to rescind the earlier decision by a majority of 59, reduced on a recount to a majority of 6. The meeting then by acclamation declared that the Union 'does not condemn those students who wish to occupy the School buildings' at the weekend.

Forewarned by the legal difficulties that had arisen over the occupation of the Guildford College of Art, I had sought clarification of our position from the Governors, who conferred on me powers to close the School in an emergency. I announced this to all members of the School. An assembly of students, including some staff members, met on Thursday evening to discuss the occupation and sent a delegation to me to seek my agreement to the use of the School's premises for the purposes proposed. I explained why I could not give permission for the use of university buildings for such purposes, emphasised the risk to School property, including the Library, involved in the situation expected in London at the weekend, and stated that I had powers to close the School and would use them if I judged that a situation of emergency justified this. A small group of students began an 'occupation' that night, and early on Friday morning I declared the School officially closed. The buildings were 'occupied' throughout the weekend, were vacated by the students on Sunday night without any damage, and normal School activities were resumed on Monday.

The Court of Governors met on October 31, decided to take no disciplinary action against staff or students who were thought to have been involved in the occupation, but issued a stern warning that the organization of and participation in operations of a similar kind endangering the integrity, reputation and orderly processes of the School would be regarded as grave offences liable to the severest penalties.

In spite of, or as some militants argued because of, this warning, a section of the

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student body led by members of the Socialist Society continued the politics of confrontation. On November 4, the President and four other officers of the Students' Union announced their resignation in protest at the policies that militant students were imposing on the Union and the tactics of urgency motions, meetings of attrition and the shouting down of opponents by which this was being done.

Oration Day, December 5

Professor Trevor Roper had accepted the invitation to deliver the Annual Oration and had chosen as his subject 'The Past and the Present'. Militant students started an agitation to demand that the Orator should devote the occasion not to his chosen topic, but to a discussion of his views on the new regime in Greece, about which he had written earlier in a Sunday newspaper. On the day before the Oration, the Academic Board held a special meeting and with only two dissentients declared that the Oration was an academic occasion and that any interference with it would be an interference with academic freedom. Professor Trevor Roper delivered his Oration on his chosen topic, and in response to a private request that I had made to him earlier, discussed the Greek situation at a later and separate meeting that evening.

At the Oration ceremony, seats reserved for Governors and School guests were occupied by students until shortly before the start, but arrangements had been made for the accommodation of guests in another room to which the lecture was relayed.

No disciplinary action was taken in relation to these discourtesies to the School's guest of honour and other guests.

The Southern African issues, January 1969

At the end of the first term a new President of the Students' Union had been elected who was opposed, like his predecessor, to the tactics of disruption and confrontation pursued by the militants in the Socialist Society. He organized a three-day teach-in on Southern Africa for the first week of the second term when it was expected that the Rhodesian problem would be one of the major topics before the Commonwealth Prime Ministers' Conference in London. Denied the initiative by this Union pre-emption of the topic of Southern Africa for serious discussion, the militants decided to use their tactic of linking a domestic to a political issue, as they had done in the case of the October occupation with Vietnam and the Oration with Greece.

At the conclusion of my introductory remarks on January 8, the first day of the teach-in, a group of students gave me a copy of an *Agitator* pamphlet on Southern Africa and presented demands that the School should divest itself of any investments it had in Rhodesia and South Africa, that Governors should divest themselves of directorships in companies having connections with Southern Africa or resign as Governors, and that companies with holdings in Southern Africa should not be allowed on School premises to interview students for employment. I agreed to comment on these matters on the third day of the teach-in after reading the pamphlet. On January 10, I spoke again at the teach-in and explained that the pamphlet was grossly inaccurate, defamatory and anonymous and could not serve as a basis for serious discussion, but that any general issues of School policy, including those raised, could be discussed on the basis of accurate information, with student representatives who had been offered membership of the Court of Governors and

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other bodies or at any time with the Union officers. After I left the meeting, there was debate whether the teach-in and its invited speakers should continue or whether there should be a discussion on the three domestic demands. Eventually a group of about 200 left the meeting to start a sit-in outside my office in Connaught House to compel me to answer the demands but, prevented from entering the building by the shutting of the fire-doors, occupied the Senior Common Room for an hour's meeting and then left.

At a meeting of the Students' Union on January 13 the demands on the Southern African issue were again discussed as also at a meeting of the Union on January 17 addressed by the Chairman of the Court of Governors. Suddenly, however, at that point militancy switched to a quite new issue, the gates, which was not even tenuously linked to an international issue like Vietnam, Greece or Southern Africa, and only remotely by a devious logic to general political issues like 'capitalism' and 'oppression'. Controversy for the remainder of the session concentrated on domestic issues including discipline and those distilled therefrom such as 'victimisation', 'free speech' and 'academic spying'.

The destruction of the gates, January 24

In the preceding long vacation, it was decided to erect a small number of internal gates, additional to the several score of existing doors and gates within the rambling warren of the School's premises. The immediate occasion was some serious thefts of property that had recently occurred. The broader purpose was to increase the sectional compartmentalisation of the buildings, so that parts could be opened at weekends or other times while the remainder was closed without needing expensive patrolling by porters – for example for dances, for the separate use of the Students' Union premises, and for the possible adjustment of Library opening hours. They could serve the subsidiary purpose of limiting the area of a sit-in or 'occupation'. They were erected during the first term and Christmas vacation, strapped open (since they were for use only on rare occasions), and evoked little comment from staff or students until questions about them were raised at the Union meeting on January 17. They then suddenly became symbols of anti-student oppression. The meeting converted itself into a General Assembly and demanded that the gates should be removed within seven days, under threat of direct action as the alternative. A meeting of the Union adopted this militant attitude on January 20, but a more fully attended meeting on the 23rd countermanded the threat of direct action after I had given a detailed explanation of the purposes of the gates in a letter to the President, copies of which were distributed to students. On the morning of the 24th, a meeting of student representatives discussed with me and some members of staff constructive alternative methods of providing for internal compartmentalisation of the premises.

That evening a Union meeting passed by a narrow majority a motion 'In view of the absurdity of negotiation, Union resolves to take the gates down now'. The President of the Union resigned. A group of students and some outsiders proceeded to smash down the gates, using at times a sledgehammer and a pickaxe. In the congested conditions of the corridors and staircases, there seemed to me a serious risk of bodily harm to persons in addition to the destruction of School property that was taking place. I called in the police who, after obtaining reinforcements

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later that evening, sought the assistance of staff in identifying those who were thought to have been involved. I declared the School closed.

Disciplinary proceedings

After the Vietnam 'occupation' weekend in October, the Academic Board had asked its General Purposes Committee to consider the implications of the developments occurring at the School. On the basis of a report from the General Purposes Committee, the Academic Board on January 22 adopted a series of resolutions, condemning the unauthorised occupation of the School's premises by any body whatever, defining the disruption of good order as an offence against the School, accepting that there was an obligation on all members of staff and students to assist in the preservation of order and in particular an obligation on staff to assist in identifying students in situations where a breach of order appeared to be taking place. After the resort to violence in the smashing of the gates, the Academic Board supported my decision to call for police assistance, and recorded that it considered 'the use of force and its advocacy in the internal affairs of university institutions are wholly incompatible with the purposes and character of a university'.

The Court of Governors in October had issued its warning about the consequences that would follow from actions endangering the orderly processes of the School. After the events of January 24, the School could not avoid taking disciplinary and other protective measures even though it was obvious that these would provoke further unrest and dissension. Once the decision was taken to proceed with such measures, the worst disservice to the School would have been to vacillate or to abandon the processes embarked upon. For the remainder of the session all members of the School had to endure the painful consequences of the working out of the decision to restore and maintain the rule of law.

A continuing need was to explain to one another the implications of the events as they developed. This involved improvising methods of internal communication which were only partially successful – joint meetings of the General Purposes Committee and the Standing Committee, special meetings of the Academic Board and of the Court of Governors, meetings of staff and Governors with students, a series of letters from myself to all students, discussions in staff-student meetings, much pamphleteering and petitioning, and many other procedures formal and informal. I hope that from the experience of this session we can evolve improvements in the processes both of internal and external explanation.

The actions taken interacted on one another and involved many delays. For example, the Director of Public Prosecutions brought charges of malicious damage against a number of students and staff and until these were heard, procedures instituted by the School had in certain cases to be suspended or postponed.

A detailed account of the developments after January 24 must be reserved for an occasion other than this annual report, and I will now mention only the main sequence of events.

The closure of the School lasted for three and a half weeks. It was not, and was not intended to be, a disciplinary measure. The resort to violence within the School and the absence of an unqualified rejection by students of its further use created a situation in which reopening could not be authorised until there was a reasonable chance of the restoration of conditions in which the normal work of the School

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could be started again without imminent risk of further disruption leading to a second and, in that event, indefinite closure. Steps were taken to minimise the damage to students' interests by, for example, the improvisation of facilities for teaching outside the School during the closure, the provision of additional teaching after reopening and during the Easter vacation, the opening of the Library at weekends and at additional times in the vacation, and the announcement of the retention of normal dates for the end of session examinations.

Internal disciplinary procedures were not invoked against any students, but as a protective measure Court injunctions were sought and obtained against thirteen persons (including some non-students) forbidding them to disrupt the management of the School.

Internal disciplinary procedures were invoked in the case of three members of the academic staff. These, in accordance with the terms of contract, involved the appointment of special committees to investigate the charges of alleged misconduct. In two cases the reports of the special committees were completed by April and the Standing Committee in the light of the reports decided to terminate the contracts of both members of staff. The terms of service made no provision for an appeal. The Governors established an *ad hoc* independent Appellate Tribunal, in consultation with and subject to the agreement of the Vice-Chancellor of the University of London. One of the two members of staff availed himself of this appeal provision, and the Appellate Tribunal after a public hearing confirmed the finding of misconduct and the decision of dismissal. In the third case, the special committee reported at the end of September and in the light of its report the Standing Committee decided to take no further action.

The interruption of lectures

The announcement at the end of the Easter vacation of the Standing Committee's decision to terminate the contracts of two members of staff led to student protests as the Summer term began. A boycott of lectures and a 'strike' were called by the Students' Union. Picketing seriously interrupted supplies to the School and forced the refectory to close temporarily. The boycott of lectures was only partially effective and a small minority of militants resorted to the disruption of lectures and classes. It appeared that the members of staff at whom this attack was directed were mainly those who had been labelled in the disgraceful pamphleteering of the Lent term as 'academic spies', because they had fulfilled their duty by providing evidence in the police court or other legal proceedings in that term. This tactic of breaking up teaching activities was immediately condemned by the Academic Board and by the great majority of students, several of whom were willing to give evidence for the purpose of disciplinary proceedings. Internal disciplinary proceedings were at once instituted under the old Regulations for Students. Sentences of reprimand or of suspension were imposed on the students found guilty of misconduct.

These and earlier proceedings had disclosed that the old Regulations and the disciplinary procedures provided under them were in need of substantial revision. After much patient work and consultation within the School a Working Party produced the draft of a new set of Regulations for Students and for new disciplinary procedures, which provided for participation by students both in Summary Tribunals and Boards of Discipline and also in a Rules and Regulations Committee that would

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advise on alterations and additions to the Regulations and subsidiary Rules. The Court of Governors approved the new Regulations and procedures at a special meeting in July, and copies were sent to students of the School during the long vacation.

Militancy

Some of the tactics and themes of student militancy had been foreshadowed in the troubles at the School in 1966-67 including verbal defamation, 'no-victimisation' and collective immunity; but neither the School nor other British university institutions were psychologically or procedurally prepared for the intensity of the militancy that occurred in 1968-69. The pursuit of protest and confrontation for its own sake, the presentation of non-negotiable demands backed by the threat of direct action and the actual resort to physical violence, although used only by a small group of militants, created confused issues and situations which strained the mutual loyalties within an academic community. Excessively publicised by the mass media as the events were and preoccupying as they were as matters of domestic concern, there was a danger of getting them out of proportion and regarding them with the humourless solemnity that some of the activists brought to their tasks. Faced with an emergency a university must avoid adopting methods in the defence of freedom which could erode the liberty and civility which are threatened, or substituting arbitrary action for just procedures and the constructive redress of grievances. On the other hand there is the temptation to shirk the wholly distasteful necessity of assisting in disciplinary action against staff and student colleagues and to take shelter in evasive debate and postponement of action and painful decision.

The events of the year are still too close and insufficiently analysed and documented to make a full assessment possible. I am, however, confident that a later and impartial judgment will discover that in spite of all the tensions of the year the School emerged more united and clearer about its purposes and character.

WALTER ADAMS
September 1969

Academic Awards

Scholarships and Studentships awarded in 1969

(a) Awarded by the School

ENTRANCE SCHOLARSHIPS

Scholarships for Mathematicians

Paul Edwards
Paul Norman Joseph Entwistle
Jacqueline Susan Jaffe

Leverhulme Adult Scholarship

Not awarded

UNDERGRADUATE AWARDS

*Chartered Institute of Secretaries
Scholarship*

Roger Kim Hock Tan

Lilian Knowles Memorial Scholarship

Robert Haigh

Harold Laski Scholarship

Donald John Fraser

C. S. Mactaggart Scholarship

Ali Akbar Zaker-Shahrak

Undergraduate Scholarships

Michael John Cooke
Ahnont Wongseelashote

AWARDS OPEN TO UNDERGRADUATES AND
GRADUATES

*S. H. Bailey Scholarship in
International Studies*

Alun George Hicks

Scholarship in International Law

Ronald William Ianni

GRADUATE AWARDS

Acworth Scholarship

Not awarded

*Montague Burton Studentships in
International Relations*

Nazeem Johar de Beer
Mark Thomas Oberg-Browne
Abraham Shlaim

Graduate Studentships

Nicholas Victor Polletta
Donald William Verry

Graduate Studentships in Economics

William McKernan Duncan
Christopher Leslie Gilbert
George Julian Wiseman Gunn
Alan Ingham
Allan Michael Lavell
Amy Ruth Newey
Anthony Frank Shorrocks
Murdo Alasdair Macdonald Smith

*Graduate Studentships in
International Studies*

Peter John Hennessy
Martin Van Creveld
Cornelius Ogunsanwo

Rees Jeffreys Studentship in Transport

Not awarded

*Leverhulme Graduate Entrance
Studentship for Overseas Students*

Terence Valentine Lenahan

Leverhulme Research Studentships

Peter James Clark
Arthur Philip Jones

Academic Awards

Leverhulme Research Studentship for Overseas Students
Paul David Rosenbaum

Jackson Lewis Scholarship
Tozun Salih Bahcheli

Studentship in the Economics of Latin America
Not awarded

Eileen Power Studentship
Not awarded

Rosebery Studentship
Not awarded

(b) Awarded by the University

Derby Studentship
Ross Anthony Fuller

Gerstenberg Studentship
Peter John Cooke (Not taken up)

Madge Waley Joseph Memorial Scholarship
Rita Henrys

Loch Exhibitions
Cecil George Collier
Ahmed Guennoun

Metcalf Scholarship for Women
Janet Margaret Knight

Metcalf Studentship
Jean Gaffin

Sir Edward Stern Scholarships
Roger Michael James Marshall (Jointly)

University Finals Studentship
Mohamed Mohideen

University Postgraduate Studentships
John Towers Addison
Rajendra Jagmohan Bhansali
John Anthony Calow
Christopher John Sydney Fuller
Kathleen Lavinia Jones
Andrea Mannu
Trevor Lewis Williams

Medals and Prizes Awarded in 1969

(a) Awarded by the School

Arthur Anderson Prize in Accounting
Peter John Cooke

Harriet Bartlett Prize
Not awarded

Bassett Memorial Prizes
Stephen Leigh Bristow
David Adrian Norman

Janet Beveridge Award
Linda Mary Ward

Bowley Prize
Raymond Peter Byron
Malcolm Patrick Robertson } Jointly

Director's Essay Prize
Not awarded

Ely Devons Prizes
Leslie George Godfrey
Paul Desmond Ryan

Farr Medal and Prize
Melvyn Slater

Firth Award
Antony Francis Gell

Academic Awards

Gladstone Memorial Prize
Not awarded

Gonner Prize
Mohammed Aliuddin Khan

Gourgey Essay Prize
John James Harris
Ronald William Thorpe } Jointly

Hobhouse Memorial Prize
Colin John Crouch

Hughes Parry Prize
Geoffrey John England
Roger Kim Hock Tan } Jointly

Mostyn Lloyd Memorial Prize
Margaret Sheila Hyde

Jessy Mair Cup for Music
Gaynor Jones

George and Hilda Ormsby Prizes
Peter Harrison
Robert Miles

Premchand Prize
Christopher Michael Geoffrey
Franklyn Robinson

Raynes Undergraduate Prize
Melvyn Slater

Rosebery Essay Prize
Not awarded

S. W. Wooldridge Memorial Awards
Adrian Christopher Armstrong
Kevin Hodgkinson
Brian Allan Johnson

School Prizes
Peter Law Cannings
Claude Hicks Augustus Denbow
David John Hallam
James Stuart Hibberd

David Bowen Kenvyn
Jean Margaret Lowe
John Joseph Michael McDonagh
Peter Murrell
Jacqueline Frances Roddick
James Rendall Toller
Michael John Waylen
Diane Westley
Ahnont Wongseelashote

Allyn Young Prize
Michael Wilner

(b) Awarded by Outside Bodies

Free Press Prize in Sociology
Christine Olive Sadler

Degrees Awarded 1968-69

B.Sc. (Economics) Final Examination 1969

Honours

FIRST CLASS

Rainer Harold Burchett
Peter John Cooke
Kemal Dervis
Nicholas John Fiddian
Mohammed Aliuddin Khan
Cedric Knipe
Robert Miles
Paul Olson
David Pendrill
Christopher Michael Geoffrey
Franklyn Robinson
Melvyn Slater
Derek Charles Wallace
Karel Howard Williams

SECOND CLASS

Upper Division

David Antony Aarons
Peter John Adams
Leonardo Baluyut Alejandrino
John Edward Allett
Peter St. John Armstrong

Academic Awards

Michael Leggett Bailey
David William Balmer
Janet Irene Barber
Peter William Bates
Derek Blaine
Hazel Moira Blennerhassett
Robin Stanley Bowers
Helen Lindsay Boyce
Colin George Bridges
Stephen Leigh Bristow
James David Brown
Michael Trevor Brown
Jean Helen Cartwright
Trevor John Christmas
Martin Churchill
Barry Clinch
John David Constable
Andrew John Lewis Cruickshank
Antony John Cutler
John Darlington
John Anthony Darwin
Brian Davies
Francis Dobbyn
Robert Michael Drislane
William McKernan Duncan
Michael John Dyson
Sandra Catherine Edwards
Janet Mary Elliott
Barbara England
Howard Owen Evans
Malcolm Harold Fairhurst
Railton Edward Fells
Lawrence Joseph Fleming
Keith Andrew Godbee
Robert Morris Grant
Dhruba Gupta
Roger Arnold Hancock
John David Harvey
Christopher Hasluck
Philip Duncan Hield
Derek Edward Hought
Edgar John Hughes
John Hutton
Lawrence Gordon James
Ann Francesca Jaskowiak
James William Jones
Rhyddian Jones
Timothy Raymond Jones

Trevor Jones
Mohsin Said Khan
Colin William Lawson
Nathan Levy
Desmond Earle Lock
Gareth Edward Luke
Peter John Paley Lynam
Norman McMunn
Alexander Derek McTavish
Graham Mather
Brian John Miller
Brian Morgan
Jonquil Rosemary Mountford
Colin John Mowl
Pawel Jerzy Wojciech Leon Nowak
John Leslie Old
Anthony Joseph Henry Orhnial
Roger Parkes
Kenneth Charles Pattison
Jennifer Seth Phillips
Stephen Norman Ramsay
Paul John Ray
Shaun Michael Robinson
Mary Romilly
Anthony Solomon Rosenfelder
Jacovos Rousou
Malcolm Stuart Roxburgh
Alan George Rump
Christine Olive Sadler
David Safir
Frederick Christopher Sawle
Rita Sehgal
Ruth Mindel Schreiber
Graham Sharples
Jeremy Frank Goddard Shearmur
Stephen Richard Siddle
Brian Simmons
Edward John Stacey
Ann Steele
Alan Stevenson
Raymond Geoffrey Stock
Brian Christopher Stowe
Ian Charles Taylor
Susan Margaret Taylor
Minto Jung Thapa
Ronald Edward Todd
Bernard Tonge
Roger Ian Tooze

Academic Awards

David George Tree
Anna Tseriotis
John David Waddington
Michael John Walker
Peter David Watherston
Graham Harvey Wilson
Richard Francis William Wragg
David Ian Wright

SECOND CLASS

Lower Division

Salahuddin Ahmad
Maurice Michael Anthony Allchin
Bernice Glynne Allison
Zeenut Anis
Elizabeth Nicholas Arnold
David William Aston
Joseph Oritseretsolukunmi Ayonmike
Pamela Grace Bailes
Michael James Barnes
Peter Frederick Bartram
Gregory Dennis Bellamy
Roger Edward Bennett
Richard James Wilson Bertram
Doris Mary Blacka
John Warwick Boulton
Michael John Bowden
Alasdair Stuart Brown
Malcolm Alan Brown
Neil Burtonwood
Jeffery Harold Butel
Richard Byrne
David James Cain
Michael Anthony Capes
Richard Anthony Clark
Charles Lempriere Cory
Margaret Cracknell
Valerie May Craig
Norman James Critchlow
Elizabeth Mahalah Crosoer
Joycelin Frances Elizabeth Dawes
Terence Albert Dillingham
John Graham Duggan
Anthony John Dye
Douglas Roy Easson
Penelope Elisabeth Eastlake
Howard Eilbeck
Ralph Paterson Embleton

Ralph John Eschwege
David Llewellyn Evans
Sheila Frances Evans
Colin Farlow
Malcolm Roding James Ford
Richard Mansfield Foster
Alan Harry Fosterman
Derek Stanley Fry
Barry Stuart Garfield
Philip John Gater
David Frederick Giddens
Robert Dunstan Giddings
Charles Louis Gilding
Joyce Gasper
John Stanley Grant
Paul Richard Charles Gray
Florabelle Lucretia Grenade
Peter Neil Griffiths
Peter Michael Grimwood
David John Guy
John Stephen Hardwick
Oliver Douglas Hargreave
Stephen Harris
Alan Sydney Harrison
Stanley Eric Hewlett Hart
David Miles Haynes
Eric Lewis Heywood
William Keith Hindley
Catharine Sylvia Ann Hodges
Alan Roy Hollaway
Stephen Ernest Hope
Susan Iona Howe
Ronald Douglas Howlett
John Orrell Howson
Edward Matthew Harvey Humphreys
Allen Joseph Henry Hunt
Christopher Robert Hunt
Timothy Michael Hunt
Ian Michael Huntingdon
John Laurence Hutchings
Carol Anne James
Dennis Anthony Jarvis
Graham William Johnson
Ian Johnson
John Edward Jones
Walter John Kennerley
Richard William Chadwick Kew
Minos Koudra

Academic Awards

Vinod Kumar
Deepak Paul Laroia
Anthony Robert Latham
Richard Paul Latham
Hilary Josephine Le Bas
Brian Henry Leonard
Ian James McCannah
Raymond Joseph Mansour
Ignace Herack Marandu
Erwin Stephen Peter Marcar
Richard Marsden
Jonathan Mendoza
Ronald Frank David Millar
Susan Millrain
Norman Dennis Bedlington Morison
Roger James Mudd
Brian Robert Neal
Avril O'Donnell
Charles Ubadigbo Okonkwo
John Deacon Ollard
Ernest William Orchard
Philip Charles Ormrod
Albert David Osei
David William Paminter
David John Parkin
Francis Bernard Payer
Ariranga Govindasamy Pillay
Keith Pitchford
Lynn Joyce Porter
Richard Anthony Powell
Nicholas John Pratt
Caroline Betty Preece
James Albert Redman
Alexander Riley
Lawrence Thornton Roach
Sidney George Alfred Robertson
Sydney Roper
Alastair Park Ross
Dorothy Ann Scott
Richard Andrew Segal
Anantkumar Shah
Prafulchandra Somchand Shah
Sylvia Shaw
Richard Geoffrey Shone
Alan Thomas Shove
John Andrew Southall
John William Spirling
Sandra Spooner

Peter Starkey
Lynda Elizabeth Stott
Peter Maurice Taunton
Paul Taylor
Geoffrey Du Pree Thomas
Colin Thompson
Andrew William Thorpe
Jannice Hazel Tuck
Alexander Twynholm
U May Lin
Peter John Underhill
Paul Bernard Wailen
Kevin James Francis Walsh
Wan Ai Fung
James Wheeler
Miles Whittle
Edwin Stanley Williams
David Robert McNicoll Wilson
Hazel Wilson
Stephen Dudley Withers
Hyman Wolanski
Michael Wood
Geoffrey Woodcock
Stephen James Woodhouse
Michael Cope Wren

THIRD CLASS

Anita Renate Gabriele Abbott
Abdul Jalil Bin Mohamed Ali
Jaffar bin Mfaume Ali
Jean Winifred Booth
Brendan Joseph Byrne
William Barry Copestake
Jane Caroline Cox
Richard Jeremy De Barr
Kenneth John Drane
Vincent Nweke Ezenagu
Christopher Jonathan Fox
Michael Edward Gilbert
Douglas Eve Inglesent
Firozali Lalji
Lee Kah Lok
Loh Meng Keong
Laurence McDonald
David Alexander Cochrane McMyn
Temple Douglas Mitchell Melville
Angela Rosamond Morris
John David Moye

Academic Awards

Chukwuma Osuji
John Stephen Parker
Christopher Leonard Payne
Philip Hugh Peatfield
Ernest James Read
Jagan Mohan Reddy
Roger James Rees
Graham Rowlands
Anthony Robert Taylor
Carol Ann Williams
John Edward Zlosnik

Pass

Jacob Amos Akaragugo
Leonardo Almeida-Rodrigues
James Peter Coles
Margaret Gillian Craven
Graeme Martin Jennings
Brian Allan Johnson
Dennis Roderic McConnell
Marilyn Elizabeth Matthews
Abul Hasan Rai
Leonard Ernest Rodwell
Brian Shane
Andrew Ronald Tremayne
John Robert Walker
Nigel Richard Whiteley
John Robert Wilder

**B.Sc. (Sociology) Final Examination
1969**

Honours

Branch I

SECOND CLASS
Upper Division
Mollie Jane Arnold
Roger Gordon Harris
Paul Jeffrey Lodge
Farida Raja
Carla Lidia Standing
Vanora Mary Webster

SECOND CLASS
Lower Division
Anne Floyd Latham

Lucy Victoria McLaren
Michael James Moor
Anne Sheila Mulcahy
Peter Mary Nolan
Edward Robert Parker
Carl Parsons
Daphne Avril Pennick
Jonathan Peter Shaw
David Michael Solomon
Rosalind Priscilla Vanderbeek
Michael Stephen Whimster
Judith Sylvia Wilschanski

THIRD CLASS

David James Gairn
Mark Kimber
Peter Massie
Richard Denis Perkins
John Harry Rose
Stuart Derek Stein

Branch II

SECOND CLASS

Lower Division
Milton Anthony Chimonas
Peter Miller

Branch III

FIRST CLASS

Linda Mary Ward

SECOND CLASS

Upper Division
Kathleen Mae Bloomfield
Derrick Ralph Carter
Paul David Corrigan
Rosemary Jane Corrigan
Alan John Deacon
Dawn Rosemarie Constance Minahan
Marilyn Jean Osborn

SECOND CLASS

Lower Division
Patricia Ruth Israel
Stephanie Emma Rickards
Kathleen Priscilla Thurmott
John Winram

Academic Awards

THIRD CLASS
Anna Juliette Bicât
Margaret Anne Gibbons
Orovwuje Erinadawe Palmer
Mary Rose Rowland

B.A. Honours in Sociology 1969

FIRST CLASS
Colin John Crouch

SECOND CLASS
Upper Division
Carolyn Ann Heaton
Janet Kathleen Mathias
John Christopher Middleton
Ann Elisabeth O'Kelly
Patricia Mary Langton
Patricia Ann Rogan

SECOND CLASS
Lower Division
Hazel Brown
Ruth Ann Cooper
Gillian Felice Osband
Peter John Richards
Susan Jill Scott
Alison Jane Swan
Pamela Joy Theaker

THIRD CLASS
Katherine Price

B.Sc. Social Anthropology 1969

Honours
SECOND CLASS
Upper Division
Sarah Catherine Bills
Jonathan Sayles Neale
Susan Mary Schofield

SECOND CLASS
Lower Division
Elizabeth Divonne de Boisgelin
Bridget Pander
Wendy Read

B.A. Honours in Geography 1969

FIRST CLASS
Peter Harrison

SECOND CLASS
Upper Division
Alan James Brooks
Ian William Currie
Nigel Thomas Dotchin
Shirley Godfrey
Ann Pauline Green
Keith Michael Lievesley
Nicholas Harvey New
Elizabeth Mary Shepley

SECOND CLASS
Lower Division
Robert Kenneth Hall
Diana Mary Morris
Alan James Prockter

THIRD CLASS
Paul Anthony Scott

B.Sc. Geography 1969

Honours

SECOND CLASS
Upper Division
Dorothy Hayward
Gilbert Barry Johnson

SECOND CLASS
Lower Division
Meda Briggs
Frances Edna Dobson
Paul Graham Essex
Gerald Hughes
Dorothy Valerie Thompson

THIRD CLASS
Peter Templeman

B.A. Honours in History 1969

FIRST CLASS
Ross Anthony Fuller

Academic Awards

SECOND CLASS
Upper Division
Jean Ann Ellis
Arthur Philip Jones

SECOND CLASS
Lower Division
Peter David Allan
Geoffrey Robin Cohen
Sandra Crichton
Sophie Dale
Kevin Anthony Haddock
Charles Francis Hinsley
Michael Jaques
Nicholas Petsalis-Diomidis
Thelma Mary Platt

B.A. Honours in Philosophy and Economics 1969

SECOND CLASS
Upper Division
Ralph Neil Gaskell
Karl Lucien Jerome Theodore

SECOND CLASS
Lower Division
Peter Meredith Hargreaves-Allen

LL.B. Final Examination 1969

Honours

FIRST CLASS
John Stuart Anderson
Peter Munro Bowen
Malcolm David Farrier

SECOND CLASS
Upper Division
Roger Graham Abrahams
David Kenvyn Blayney
Michael Greenhalgh Bridge
Christopher John Chapman
Roderick Lawrence Denyer
John Peter Dunt
Jacquelynn Forster
David Gerard Goldberg
Philip Jeffrey Martin

Barry Ivor Mordsley
Geoffrey David Shears
Errol Richard Shulman
Anna Miriam Starbuck
Jennifer Temkin
Ronald Allen Emmanuel Weidberg
Arthur John Robert Williams

SECOND CLASS
Lower Division
Karina Janice Arden
Richard Leonard Barlow
David John Barnes
Brian Bercusson
John Michael Bishop
Bernard Carnell
Stephen Lewis Comben
Elaine Rice Donnelly
Glenn Roger Dymond
Roberta Lacey Everett
Ross Duncan Alisdair Fraser
Philip Bernard Freedman
John Richard Goddard
Michelle Elaine Kalisky
Clifford MacFarlane King
Dorothy Elizabeth Leek
Lily Logan
Charlotte Rosetta Lutyens
Stephen Charles Lyle-Smythe
David Geoffrey McAdam
Alison Rosemary McIsack
Paul O'Hanlon
Michael Anthony Oppenheimer
George John Paizis
Elizabeth Powell
Gregory David Kim Powell
Ian Richard Roberts
Bruce Alistair Rutherford
Richard John Sandler
Amrit Singh
Paul Bruno Thomas
Peter Anthony Tunstill
Augustus Rupert Patrick Anthony
Ullstein
Michael Gene Fordham Wakelin

THIRD CLASS
Richard Hastings Claydon

Academic Awards

Michael Bevan Edwards
Richard Newell Hardy
Steven Paul Jennings
Steven Kelvin Jerrard
Ian Louis Levene
Catherine Barbara Maria Liebetegger
David Thomas Loynes
Robert Stephen Mercer

Pass

Mario Addezio
Choo Yew Choong
James Alastair Dunn
Claire Theresa Henderson
Lorentz Elliott Hogstedt
Angus Gordon Eric MacIver
John Cornelius Moore
Johnson John Agor Okoro
Derek Malcolm Smith

Higher Degrees

M.Sc. 1968-69

Nicholas Abercrombie
David Michael Adams
David John Alderman
Ali Al-Hakim
Mahdi Mohammad Ali
Leslie Victoria Altman
Benjamin Amonoo
Alan Spencer Angilley
Phillip Arestis
Oberu Abiom Oberu Aribiah
*John André Arnold
Robert Kofi Ashiboe-Mensah
Khursheed Ahmed Ashraf
Neil Warner Averitt
John Douglas Hughes Baker
Adjin Frimpong Banuaku
Peter Banys
Elizabeth Ernestine Barnard
William Barnes
James Harrison Beck
Ian Andrew Beer
Donald Sherman Beightol

*Mark of Distinction awarded

Joyce Kathleen Bellamy
*John Robert King Berridge
Gerald Walter Bialka
*John Michael Bibby
*Keith William Bishop
*Allan Stephen Bitz
John Gerard Blackwell
James Tuton Blackwood
Richard Vaughan Borst
Arnold Lee Bortz
James Bourlet
Saharnag Boushehri
*Colin Philip Leslie Braham
Maurice Sebastian Baliol Brett
*Laurence Barry Briskman
Richard Nigel Brown
Steven Mark Bruck
Diana Pauline Buirski
Alan Burford
Anthony Francis Burger
Rodney Durrant Burgess
Edward John Burton
David Ross Cameron
Christine June Cannings
Andrew Stephen Caplan
Peter Caranicas
Richard Harold Carey
Mary Isobel Carriere
*Nicholas Carter
Jack Philip Cawdery
Stephen Jerome Chait
Steven Kent Chance
Sheetal Karam Chand
David Albert Chatterton
Alan Henry Clifton
Daniel Rudy Coleman
Sheila Ann Collins
Robert Merlin Collison
Simon Andrew Conrad
Edward Cooper
*David Robert Cope
Robert William Coursey
Charles David Crenna
Ivor Martin Crewe
Iain Douglas Garratt Crow
John Graham Crowley

Academic Awards

Cavli Culfaz
Roy Anthony Darke
Eugenia Date-Bah
Patricia Davies
Desmond David Derrien
Clare Susan Dickerson
Ricardo German Doehner Kadmonoff
Dhanvantray Lakhamsi Dodhia
Winston Chandran Dookeran
Brenda Downes
John Derek Hall Downing
Ian Stuart Duff
Gillian Diana Elliott
Stephany Lynn East
Patricia Ann Eggers
Judith Freda Englesberg
Jeffrey Taylor Evans
Mary Sonia Evans
*John David Eyles
David Arthur Farnham
Roger Dean Feldman
Peter Charles Fielder
David Peter Finlay
Susan Kyle Finlay
Colin Chisholm Finlinson
Jane Mary Elizabeth Foster
Rodney Michael Gallagher
Gavin MacIntosh Galloway
Jean Gardiner
Peter Stuart George
*Leslie George Godfrey
Joan Dorothy Teresa Goodman
Alan Gratias
*Jeanne Gregory
John Michael Griffith-Jones
Michael Frederick John Grimsley
George George Hadjimatheou
*Maria Elizabeth Halpern
Iain James Harris
*Paul Anthony Harrison
Timothy John William Harrison
Andrew Charles Harvey
Nicoletta Hatziyannis
David Otway Haythe
Mary Vanderlyn Hazen
Kevin Harold Heal

*Mark of Distinction awarded

*Julia Jennifer Hebden
David William Heleniak
Stephen Roderick Hill
Murrel Anne Hillmann
Richard Noel Hilton
Arthur Hindmarch
Henry Ronald John Hoare
Bruce Howard Hoffman
Raymond Albert Holland
William Gregg Huff
James Charles Humphreys
Valerie Imber
Elliott Stephen Isenberg
Rantch Isquith
Pamela Avery Jack
Fred Nicholas Jeffrey
Nancy Helen Jennings-Frisby
Howard Neville Johnson
*Christopher Thomas Jones
Denzil Jones
*Derek Charles Jones
*Peter Nigel Jones
Samuel David Kassow
Frances Kelly
Ian Kendall
Patrick Byrnes Kerwin
Patricia Mary King
*Stewart Donald Kingaby
Gordon Leeman Kirkwood
Christine Nell Knowles
Kok Kim Lian
Malcolm Louis Kovacs
Baiba Margareta Krumins
Alfred Kwarteng
*William Harold Lazonick
Francois Lëbrun
Adrian Norris Lee
Man Kong Joseph Lee
Joseph William Levedahl
Deborah Ann Lewis
Peggy Beth Livingston
Clifford Lloyd-Jones
Frank Neville Carrington Lochan
*Peter McArthur
Kevin Michael McCahill
Michael Joseph McCarthy

Academic Awards

Sarah Brigid Jean MacFarlane
Donald Grant McFetridge
Mark Gregory McGrath
Donald Cameron MacGregor
Neil Scott Wishart McIntosh
Michael McKenna
Donald Britton MacLaughlin
Rosemary Stewart MacLean
Peter Mangold
Melvyn Marcus
Franco Damaso Marengo
Frank Martin
Robin Duncan Crawford Matthews
Dagny Agneta Mauleon-Sutton
Hans Manfred Mayrzedt
Thomas James Mehen
Doris May Meibach
Anthony Laurence Melnikoff
Kenneth Skelton Menzies
Coral Ann Milton
David Stephen Richard Morgan
Renée Miriam Morgenstern
Julia Brenda Morris
Malcolm John Moseley
Randa Muashir
Alan Shaw Murie
*David Francis Murray
Thambiah Nadarajah
Takashi Nohara
Mary Pamela Norman
Peter Nurse
Paul Terence O'Brien
Miroslav Okrouhly
Veronica Janet O'Malley
Daniel Joseph Owusu
Titilola Ademola Oyejide
*Leo Victor Panitch
*Robert Frith Park
Edwin Leslie Patient
Joe Fletcher Pearson
Thomas Houston Peebles
Michael Perrins
Stanley Bert Petzall
Thomas Anthony Pickles
Harry George Pincus
Anthony Christopher Plummer

*Mark of Distinction awarded

Nicholas Victor Polletta
Maris Pone
William David Poole
Juan Porras-Zuniga
Julian Philip Proudman
Judith Mary Pugsley
Joyce Gwendolen Quin
James Brian Ramo
Pamela Elizabeth Rawlins
Anne Cecelia Reid
*Robert Reiner
Peter Jefre Renshaw
Robert Louis Edward Reynolds
Michelle Jo Rich
Ruth Shulamith Levrant Rich
Martin Brooke Richards
*Peter Michael Robinson
Paul Henry Rolian
Paul Michael Rosta
Michael Ralph Nicholas Roth
Jay Davis Rubenstein
Bernhard Rudolph
*Paul Ryan
Vijaya Sadana
Donald Edward Salisbury
Aruna Dattatraya Samant
Erlet Angèle Savage
Daniel Isaac Schechter
Daniel Jean Adrien Schellekens
Barbara Schneider
Victor Julian Schoenbach
Colin Terence Scragg
Daniel Segal
*Stephanie Segall
Susan Francylla Sharpe
*John William Shepherd
Richard Charles Scrimgeour Shepherd
*David Robert Shermer
Ralph Shlomowitz
John Charles Shorey
Susan Simke
*Peter Jeremy Simmons
Robin Harold Smith
Kenneth Raymond Smorsten
Melvin Arthur Springman
Althea Patricia Dawes Stamp

Academic Awards

Virginia Lou Starke
Elizabeth Irène Stenning
Daniel Paul Stoffman
David Christopher Stokes
Paul Leonard Stoneman
Alan James Storkey
Michael Thomas Taussig
Richard James Stratton
Howard Stulberg
Richard Julian Taffler
Björn Gunnar Tegsjö
Prudence Ann Tilley
Teh Hoe Yoke
Richard John Thayer
David Rodney Thom
Kathleen Margaret Tinney
Ahmad Tolou-Shams
*Tse Fu-Yuen
Richard Henry Turner
Sally Turner
John Mayo Turney
Charles Bruce Tutton
*Elizabeth Mary Vallance
Trombley John Wakefield
Richard Norman Vaughan
Donald William Verry
John Frederick Vogler
*Clifford Walsh
Allen Lorne Weil
David Magen Weinstein
Angela Margaret Weir
Thomas Gordon Weyman-Jones
Sarah Penelope Julia Whittaker
William Warren Wilkes
Ivor Williams
*Trevor Lewis Williams
Frank Williamson
Ronald Willson
Lesley Wilsher
John Peter Wyse
Syed Mohammed Tasnim Yawar
Kenneth George Young
Nicholas Zafiris
*Elias Georges Zahar

*Mark of Distinction awarded

M.A. 1968-69

Barry Camp Baron
Michael Lucius Brannon
Roger William Buckley
Bernard Bertram Busby
*Peter Fowler
*Gary Edward Gregg
Maralyn Margaret Horsdal
*Adelaide Van Antwerp MacMurray
Patricia Kenyon Pfaff
Robert John Pritchard
Thade Guido Rachwal
Donald Theodore Rotunda
Elizabeth Silvester
Guy David Douglas Stanley
Stephen Edwin Traviss
Gerard Carolus Joseph Van Kessel
Bonnie Kay Wester
Mary Casteen Wilsey
Betty Christina Wood

M.Sc. (Economics) 1968-69
(Old Regulations)

Peter Howard Marks
Paul Arthur Monaghan
Milana Marija Ratkovic
Gordon Sidney Ray
Kenneth Sidney Toft

M.A. (Anthropology) 1968-69
(Old Regulations)

Amina Ahmed Mohammed Farrag
Colin Stuart Greer

M.Phil. 1968-69

Elizabeth Ann Adlington
David Kohn
Mara Kathryn Larson
Nigel Gordon Middleton
Ontonti Amadi Nduka
Sudhir Vyanatesh Wanmali

Academic Awards

LL.M. 1968

Marcel Joseph Berlins
Neil Cameron
*Farouk Hajee Ismail Cassim
Harry Charles John Clarke
Neil Michael Cutler
*Paul Lyndon Davies
Gregory Joseph Domareki
Alexander James Easson
Richard John Gathercole
Jacques Girard
Thomas Jacob Graff
Ian Stephen Grier
Patrick Leonard Howell
Arnold Barry Kanter
George Lazaratos
Charles Lee Yeh-Kwong
Charles Douglas MacLeod
John Evans Atta Mills
Lawrence Owen Monin
John Duncan Montgomery
Fred Ralph Daya Mutunhu
Gerald Edward Naylen
Victor Mukwele Ngoh
Joseph Nnabuchi Nwodo
James Charles Prober
Edward Joseph Ratushny
Howard David Sacks
Timothy William Sargeant
Dennis Joel Seider
Hari Prasad Sharma
Anthony Frederick Sheppard
Laurence Truman Sorkin
Robert Tunick Stern
Michael Frank Stoyka
George Robert Sullivan
Peter Dennis Trooboff
John Gordon Trueman
John Ian Gardiner Waddell
Harvey Weiner
Arthur Francis Williams
Peter Witt

Ph.D. 1968-69

Iyiola Olajide Aluko

*Mark of Distinction awarded

Alice Hoffenberg Amsden
John Michael Atkin
Rodney Steven Barker
Thomas Alexandre Ivan Bernier
Manfred Alfons Bienefeld
John Buchanan Black
Tessa Ann Vosper Blackstone
Clara Sara Bland
Michael Robert Bonavia
George Clement Bond
Eileen Erica Mary Bowler
Raymond Peter Byron
Maureen Elizabeth Cain
Geoffrey Martin Chittenden
Jan-Mieczyslaw Ciechanowski
John Francis Matthew Crean
Crispin Patrick Robert Cross
Donal Brian Cruise O'Brien
Rita Rose Cruise O'Brien
Bashir Ahmed Dato
John Horsley Russell Davis
Michael Lawrence Dockrill
Stephen George Doree
David Daniel Driscoll
Peter Earle
Adolf Chamberlain Edwards
Hugh Vincent Emy
James Albert Erickson
Victor Cecil Funnell
Rosemary Elizabeth Galli
Julio Rudolfo Gamba
Peter Hugh Grinyer
Zvi Hadar
Madan Lal Handa
Eleanor Elizabeth Horne
Robert Peter Lynn Howie
Edward Roger Ingram Ellis
Abu Isa Aminul Islam
Ferenc Juhasz
Muhammed Kamlin
Trevor David Kennea
Marian Ruth Kent
Mohammad Zafar Ahmad Khan
Roger Leigh
Margaret Julia Běng Chû Lim
Donald Neil McCormick

Academic Awards

Ronald Brandis Manderson-Jones
Srinivasa Ananda Meegama
William Messiha Mikhail
Ramesh Chandra Mishra
Desmond Dillon Paul Morton
Alan Edward Musgrave
Michael John Niblock
Olasupo Abel Ojedokun
Syed Mohammed Miytaba Razvi
David Edward Regan
Christopher John Rose
Norman Anthony Rose
Maria Antonia Ruth Sautu
Leslie Allan Sklair
Harvey Noel Stalwick
Erica Wendy Stratta
Wolfgang Stroebe
Alan William Swingewood
Yashpal Tandon
Neil Sylvester Thornton
Richard Anthony Vernon
Dermot Philip Walsh
Peter Weinreich
Ronald Steven Paul Wiener
Ross Alan Williams
William Idris Williams
Robert John Young

Diploma (Awarded by the University of London)

Academic Postgraduate Diploma in Anthropology 1969

*Nicholas Tristan Platt
Ian Neil Brown Stevenson

Diplomas (Awarded by the School)

Diploma in Statistics 1969

Ahmed Ali
Koruwakananage Kirthimathie
Fernando

*Mark of Distinction awarded

Farrokh Guiahi
Gregory Serafetinides
Shahid Zubair

Diploma in Development Administration 1969

PASS
Mohammed Afzal
Syed Hasan Ahmad
Paul Edwin Bangasser
Augusto Barrientos
Joseph Theodore Bradford
Javed Burki
Kerenius Rupanga Chihambakwe
Annemarie Wiedmaier de Gonzalez
Lily Arabella Margaret Downes
Abdul Khair Mohd Nurul Islam Khan
Thi Minh-Chau Nguyen
Juan Pellicer
Animesh Chandra Ray
Esmie May Rowland
Guillermo Tamez
John Malcolm Titsworth
Turhan Ücock

Diploma in Social Administration for Graduates 1969

DISTINCTION
Diana Lorraine Butt
Penelope Ann Williams

PASS
Helen Stephanie Adams
Michael Arnaoutis
Barbara Ann Belcher
Steven Bennett
Anne Alice Bretherton
Jean Mary Bubbers
Susan Marion Butler
Christine Ann Callaghan
Penelope Child
Nathene Cowen
Graham Denny Everett
Ruth Helen Garwood

Academic Awards

Katherine Elizabeth Gold
Jillian Stella Goodchild
Gerald Clark Gray
Gillian Gregory
Robin Nigel Stuart Grunsell
Caroline Janet Halliday
Christopher Charles Hamson
Elizabeth Margery Harlow
Richard Geoffrey Hartill
Sylvia Mary Hayward
Ruth Elaine Hewlett
James Richard Hodgkinson
Mary Elizabeth Hull
Camilla Theresa Hunter
Peter Knowles Jubb
Sonia Evelyn Lauber
Maureen Lawther
Christine Elizabeth Liddle
Margaret Lockley
Gwendoline Claudia Melnyk
Annabel Harriet Morse
Anthony Warren Perry
Suzanne Gail Prysor-Jones
Joseph Colin Roberts
Jessica Jane Scadding
Rosemary Mabel Scobie
Andrée Shorter
Joy Françoise Cristl Smith
Sheena Margaret Somerville
Elizabeth Alice Stevenson
Flora Jeanie Sullivan
William Martin Watson
Virginia Frances Weaver
Pamela Mary Whiteley

Diploma in Social Administration for Non-Graduates 1969

DISTINCTION

Margaret Sheila Hyde

PASS

Lenis Badcock
Vicky Anne Bianco
Gemma Blech
Gillian Myfanwy Burke
Adolphine Riborg Burkens
Anna Catherine Cronyn

Lavinia Mary Dent
Mary Jean Duffield
Diana Ellis
Barry Eley
Penelope Ann Folley
Els Mechtild Footman
Mary Carol Margaret Griffin
Monica Renée Gutmann
Jennifer Mary Humphreys
Julian John Lousada
Ruth Mathers
Julia Mellows
Anthony John Milnes
Maud Webster Murdoch
Ruth Elizabeth Durrie Paton
Susan Elizabeth Manthorp Pembrey
Margaret Anne Pescud
Veronica Piercy
Joan Margaret Pooch
Mildred Mary Porter
William Washington Powell
Peter Noel Melville Richards
Pauline Margaret Jennifer Robottom
Peter-Stephen Schneider
Diane Southern
Timothy John Williams

Diploma in Social Administration for Graduates (Overseas Course) 1969

PASS

Fatma Husein Dharamsi
Rosie Ursula Hector
Phineas Matthew Rhuhwaya

Diploma in Applied Social Studies 1969

DISTINCTION

Michael Dimitri Milan

PASS

Diana Sylvia Adam
Andrew David Heathcott Ayton
Jean Bernstein
Jacqueline Blackburn
Sheila Nancy Buck
Anne Elizabeth Cairns
Mary Eirene Charleton

Academic Awards

Joan Eva Charlton
Hazel Noreen Davis
Michele Antonia Finch
Dorothy Rosemary Fox
Mary Lynette Hughes
Margaret Lilian Hulmes
Peter Frank Jewell
June Patricia Ladly
Jennifer Anne McHarg
Susan Irma Harris
Helen Margaret Veronica Matcham
Walterine Rhoda Beatrice Matthews
Gary Thomas Newbery
Philip Anthony Wells Pestell
Christopher John Purcell
Elizabeth Ann Rice
Diana Christine Roberts
Joyce Margaret Salt
Susan Tate
Elizabeth Eleanor Wightman

Diploma for Social Workers in Mental Health 1969

PASS

Frank Ainsworth
Pamela Bolt
Anna Millior Braithwaite
Allen David Brandon
Diana Charmain Myfanwy Bredenkamp
Rosemary Elizabeth Castle
Elizabeth Chapman
Phyllis Rosemary Coard
Lorna Ethel Essame
David Harold Fenton
Juliet Mary Horne
Marilyn Jane Good
Emily Breaca Williams Goodall
Pauline Grayston
Ann Kerkham

*Distinction in viva examination

Tadeusz David Kubisa
Aase Agnes Laerdal
Julia Ann Laurence
Herbert Kofi Mensah
Anne Mhlongo
Robin Nicolas Osmond
Janet Pigram
Gillian Cynthia Spiers
Mary Lindsey Stephen
Rosalind Stumpf
Alan Michael Talbot
Ethel Ann Mary Tobias
Richard John Willis

Diploma in Personnel Management 1969

DISTINCTION

*Joan Margaret Wheeler

PASS

David Charles Birch
James Gerard Jerome Collins
David St. Clair Dawson
Lynda Ayleen Fortune
Steven Tyler Friedlander
Kathleen Ann Frith
Andrew Braham Green
Anne Ramey Jones
Madeleine Bartley Jones
Trevor John Lipscombe
Neville Claude Long
Jennifer Cassels Lowe
Anthony Terence Mackey
Frances Mawer
*Janet Hilary Partridge
Margery Povall
Michael Ainscough Rigby
Cynthia Joan Webster
Colin Douglas Wright
*Julie Ann Wright

Athletic awards

Steel-Maitland Cup
Douglas William Gunstone

Steel-Maitland Cup for Women
Susan Mary Gee

Wilson Potter Cup
Linda Mary Mitchinson

Ernest Cornwall Cup
Soccer Club

Wiseman Cup
The School

Open Day Awards
Gutteridge Tug-of-War Cup

Club Awards

S. H. Beaver Cricket Captain's Cup
Philip Hugh Peatfield

Cross-Country Club Cup
Douglas William Gunstone

Lawn Tennis: Men's Singles
David Richard Butler

Lawn Tennis: Women's Singles

Research

The School has, from its foundation, been a leading centre of research in social studies and has sought to provide good research facilities for members of the teaching staff and for graduate students. Furthermore, in order to preserve the freedom of staff to pursue research in their own way, the aim of the School has been to keep administrative organization concerned with research to a minimum consistent with adequate financial control and flexible enough to allow for the variety of research undertaken and for the rapid changes in the ways in which research is pursued. To this end there is a Research Committee whose terms of reference are as follows:

1. To encourage and facilitate research appropriate to the School as an academic centre of scholarship and teaching in social studies.
2. To keep under general review the research activities of the School and:
 - (a) seek to initiate and to secure means for the development of research
 - (b) receive for assessment all new proposals for research or for extensions of existing research projects, which involve commitments on School funds and resources, other than the personal research of members of the staff or research financed from the Staff Research Fund
 - (c) make recommendations to the Director concerning proposed applications by the School or by members of the staff to outside bodies for research funds for which if granted the School would be accountable
 - (d) make recommendations to the Director concerning the amount of the allocation to be voted annually to the Staff Research Fund
 - (e) receive annual reports on the use of all research funds and grants for which the School is accountable

There is a Staff Research Fund Committee which is responsible for advising the Research Committee on the allocation of the Staff Research Fund to research divisions and to individual members of staff who are not members of divisions. The Committee also receives reports on research carried out with the aid of the Fund.

The Research Divisions

There are at present seven research divisions, which include most members of the teaching staff. They are:

- (i) the Economics Research Division, which includes the staffs of the Economics and Economic History departments
- (ii) the Geographical and Anthropological Research Division
- (iii) the Government Research Division
- (iv) the International Studies Research Division, which includes the staffs of the departments of International History and International Relations
- (v) the Legal Research Division
- (vi) the Social Research Division, which includes the staffs of the departments of Social Psychology, Social Science and Administration and of Sociology
- (vii) the Statistics Research Division

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Any member of the staff who does not belong to one of these divisions may seek assistance on an individual basis by direct application to the Staff Research Fund Committee.

The divisions are concerned mainly with 'project research' and provide assistance to individual teachers on an *ad hoc* basis. Two divisions have, however, developed other functions:

- (a) The Economics Research Division has established a basic staff of research assistants, whose services are available to all members of the Division, and an Economic Documentation and Research Centre where information is collected. To this extent this division may be said to be becoming also a centre of 'subject research'.
- (b) The Statistics Research Division also offers an advisory service to staff and graduate students throughout the School on statistical methods and their application, and maintains a small research library, the Leverhulme Library, for staff use.

A Unit in Operational Research has been established within this Division to provide a centre at which new theoretical problems in this field can be attacked, to provide graduate students with practical experience and to provide advice and information for operational research workers.

It is characteristic of much research in social studies today that it is co-operative in many different ways. Many projects are joint ventures in which several members of the staff share; some involve co-operation between several academic disciplines; some are pursued in collaboration with outside agencies, public and private, and with other colleges both in the United Kingdom and overseas. These have often been most fruitful in contributing both to the solution of urgent social and economic problems and to the enrichment of academic knowledge and the stimulation of the development of new techniques of enquiry.

The units described in the following paragraphs are mainly concerned with projects of this kind.

Building Management Research Unit

The Personnel Management section of the department of Social Science and Administration has been financed by the Ministry of Public Building and Works to undertake research into building maintenance problems. The research objectives are to analyse the structure of a number of maintenance organizations and to study the strategies open for organizational change in such situations. Other completed studies include a project on Contract and Site Management Behaviour and Training Needs, and a study of the Site Agent's Role in Maintaining Continuity of Employment for Workers.

The research of the Unit is under the direction of Miss B. N. Seear and Mr. K. E. Thurley. The Unit secretary is Mrs. P. de Martell.

In addition to the research staff of the Unit assistance is being given by a number of persons involved with the building industry.

Centre for International Studies

The Centre for International Studies was established at the School in 1967, with the aid of a grant from the Ford Foundation. Whilst the prime concern of the Centre lies in the broad field of international studies, special attention is to be

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devoted to research and training in Soviet studies, including Russian and East European studies, and the study of International Communism; in Asian studies with special emphasis on development within China, and on China's relations with the outside world; and in European studies where, initially, a major concern is with the pattern of East-West relations, political, economic and cultural, in Europe.

In pursuance of this programme, the Centre has to date appointed five Research Fellows. In addition to Mr. J. D. Duncanson, Dr. M. Pearton and Mr. L. Blit, details of whose work were set out in the Calendar for the session 1968-69, two further appointments have been made: Mr. J. Gittings, who is working on Communist China's Foreign Policy, 1944-54 and Dr. A. L. Unger, who is working on the Origin and Development of Party-State Relations in Soviet Russia during the formative years of the Soviet regime. The Centre has also awarded studentships to ten graduates. Eight Visiting Fellows have also been able to spend some time at the Centre, taking part in seminars, as well as conducting their own research.

Otherwise, the Centre's main activity has been the promotion of a seminar on East-West Relations in Europe, within which, on the initiative of the Comparative Politics Group, and with the support of the Social Science Research Council, particular attention is being paid to the political impact of economic decentralisation in Yugoslavia, Poland and Czechoslovakia. Professor Ghita Ionescu has been appointed a Visiting Fellow of the Centre, to co-ordinate the work of the different groups which are conducting research into different aspects of this problem.

A seminar is also being run on Asia and the Pacific in International Relations, particular attention being given to China's relations with her neighbours and other great powers.

The work of the Centre is directed by a Steering Committee under the Chairmanship of Professor G. L. Goodwin, consisting of: Professor H. C. Edey, Dr. C. M. Bell, Professor G. Ionescu, Professor H. G. Johnson, Professor J. B. Joll, Dr. I. Lapenna, Dr. P. H. Lyon, Professor F. S. Northedge, Mr. P. Reddaway, Professor L. B. Schapiro, Mr. G. H. Stern, Mr. D. C. Watt, Professor P. J. de la F. Wiles, Mr. P. Windsor. The Organizing Secretary is Mrs. M. Horn.

Greater London Group

This interdisciplinary group was formed in 1958 under the stimulus provided by the appointment of the Royal Commission on Local Government in Greater London. The appreciation of the value of the evidence which the Group presented to the Commission led to continued research into a number of subjects relating to local government in London and the south-east region, the range of which is indicated by the appended list of publications. In addition, two reports commissioned from the Group by the Royal Commission on Local Government in England were published by H.M.S.O. in 1968: they dealt with local government in south-east England and the lessons of the Greater London reforms.

The Group is currently engaged on two major projects. One is an examination of transport and traffic administration in Greater London. The other is a history and evaluation of the reform of London Government, the first part of which has recently been published. A separate study is being made of the introduction of the new system of local government in the London Borough of Camden.

The Group has received grants of £18,300 from the Nuffield Foundation, £13,000 from the Leverhulme Trust, £12,565 from the Social Science Research Council,

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£8,000 from the Royal Commission on Local Government, £3,500 from the Ministry of Housing and Local Government and £2,000 from the City Parochial Foundation.

The Chairman of the Group is Professor W. A. Robson, the Vice-Chairman is Professor P. J. O. Self, the Secretary is Mr. G. Rhodes.

PUBLICATIONS

Greater London Papers

1. *Education in Greater London*,* A. V. Judges.
2. *Theories of Local Government*,* W. J. M. Mackenzie.
3. *The Greater London Boroughs*,* W. A. Robson.
4. *Housing in Greater London*,* J. B. Cullingworth.
5. *Health, Welfare and Democracy in Greater London*,* D. V. Donnison.
6. *Transport in Greater London*,* E. Davies.
7. *Town Planning in Greater London*,* P. J. O. Self.
8. *A Metropolis Votes*, L. J. Sharpe.
9. *The Heart of Greater London*, W. A. Robson.
10. *Research in Local Government*, L. J. Sharpe.
11. *Policies and Politics in Secondary Education*, D. Peschek and J. Brand.
12. *Town Government in South-East England*, G. Rhodes.
13. *Some Characteristics of Motorists in Central London*, J. M. Thomson.

Books

London Government and the Welfare Services, S. K. Ruck.

Municipal Entertainment and the Arts in Greater London, S. K. Ruck.

The Government of London: The Struggle for Reform, G. Rhodes.

* Public lectures delivered under the auspices of the Group.

Higher Education Research Unit

The Unit undertakes research on various economic and statistical aspects of higher education. Its research relates to methods of educational planning at national level, the relationship between what is provided in higher education and labour force needs, and the costs and operation of institutions of higher education. Part of the Unit's efforts is devoted to educational planning in developing countries.

Current projects include: a computable model of the educational system; studies in the field of manpower planning; institutional studies, particularly the relations between higher education and the state; facilities for management education; the costs of higher education and the labour market for university teachers. Several projects have now been completed, each resulting in a major publication. Nine books have been published, five by Oliver and Boyd: *Graduate School: A Study of Graduate Work at the London School of Economics*; *Manpower and Educational Development in India 1961-1986*; *The Utilization of Educated Manpower in Industry*; *Educational Finance: its Sources and Uses in the United Kingdom* and *Education and Manpower: Theoretical Models and Empirical Applications*; two by Allen Lane, The Penguin Press: *Decision Models for Educational Planning* and *The Causes of Graduate Unemployment in India* (in the series 'L.S.E. Studies on Education'); one Penguin Education Special: *The Impact of Robbins: Expansion in Higher Education*; and one by O.E.C.D.: *Statistics of the Occupational and Educational Structure of the Labour Force in 53 Countries*. The following are in preparation or in the press: *Paying for Private Schools*; *Policy and Practice: the Colleges of Advanced Technology*; *Qualified Manpower and Economic Performance: an Interfirm Analysis of the Electrical Engineering Industry*; and *Educated Manpower for India's Industrial Development*. Other reports on completed projects include: 'Trends in

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University Entry: An Inter-country Comparison' in *Social Objectives in Educational Planning* published by O.E.C.D. and 'A Cost-Benefit Analysis of Industrial Training' published in the *British Journal of Industrial Relations*. Journal articles by members of the Unit are issued in the Unit's Reprint Series: thirty-eight to date. A report on the Unit's work from 1964 to 1968 entitled *The First Five Years* was published in July 1969. As well as covering research completed, it describes the Unit's administrative, financial and teaching aspects and outlines future plans.

Financial support for the Unit has come from the Nuffield Foundation (two grants), the Social Science Research Council (two grants), the Department of Education and Science (five grants), O.E.C.D. (three grants), the Ford Foundation (three grants), the Ministry of Overseas Development, the Department of Employment and Productivity, the National Board for Prices and Incomes and the National Economic Development Office, and now totals some £527,000.

The research staff of the Unit is: Director, Professor C. A. Moser; Associate Director, Mr. G. L. Williams; Deputy Director, Mr. P. R. G. Layard; Research Secretary, Miss J. A. Pinney; four Research Fellows; four Senior Research Officers; eight Research Officers; ten Research Assistants; and ten Consultants.

Apart from its research, the Unit runs three courses: a Workshop in the Economics of Education held fortnightly throughout the session, a lecture course in the Economics of Education (ten lectures) and one on Statistical Aspects of Educational Planning (ten lectures). The students who attend these courses are mainly graduates taking the Educational Statistics option for the M.Sc. in Statistics, the Educational Administration option for the M.Sc. in Social Administration and the option in Economics of Education and Human Capital for the M.Sc. in Economics. The Unit also organizes a Seminar in Educational Planning and various informal activities in the economics of education.

Management Studies Research Division

The Management Studies Research Division, which is financed partly by funds drawn from outside bodies, is concerned primarily with the development of studies at the School germane to management problems, covering such fields as administrative theory, structure and procedures; mathematical and statistical methods applied to decision-making; computer programming and data processing; accounting for management; the economics and finance of public and private enterprises; and industrial relations. Its work is directed by a committee of management under the chairmanship of Professor H. C. Edey, consisting of Professor A. S. Douglas, Professor J. Durbin, Professor B. C. Roberts, Miss B. N. Sear, Professor P. J. O. Self and Professor B. S. Yamey.

Medical Research Council Unit (Hanway Place, W.1)

The Medical Research Council Unit was established at the School in April 1962 to study problems on the borderline of sociology and medicine. The Unit is undertaking first a large-scale national study of health and development, and second a number of smaller developmental studies of infants and young children.

The work of the National Survey covers four main areas: (a) the educational histories of the 5,000 young people in the sample, more than 600 of whom have entered universities or training colleges. Dr. Jean Ross is in charge of this part of the study. (b) The employment and vocational training of those who have left school and are not continuing with full-time education. This part of the study is in the

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hands of Miss N. Cherry, who, with the help of youth employment officers throughout the country is looking at further education and apprenticeships among school leavers, the types of job they have taken, the reason for taking them and the time they have lost from work. (c) The home background, educational record and emotional adjustment of those who come before the Courts. (d) A study of the second generation families. These last two studies are in the care of Mr. M. E. J. Wadsworth.

The developmental studies of infants and young children are of two types. Dr. A. Costello and Dr. Penelope Leach are using a twin sample to study the ways in which the personal characteristics of very young children influence the care they receive. Mrs. E. Cooper and Dr. D. Ingleby are studying the factors that influence the early adjustment and progress of children when they enter the infant schools. The Director of the Unit is Dr. J. W. B. Douglas and the Secretary is Miss E. Pollard.

Population Investigation Committee

The Population Investigation Committee is a research group concerned with the study of demographic questions and has been housed at the School since World War II. It is affiliated with the School, acts as adviser to the School on questions of demographic research and teaching, and collaborates with the School in the provision of postgraduate training in demography. The Committee undertakes investigations into population problems and publishes a journal *Population Studies*.

A major investigation undertaken under the auspices of the Committee has been the National Survey of the Health and Development of Children, carried out in co-operation with the Institute of Child Health and the Society of Medical Officers of Health. Reports on the survey include twenty-four published papers and three books—*Maternity in Great Britain* by the National Survey Committee, *Children under Five* by J. W. B. Douglas and J. M. Blomfield and *The Home and the School* by J. W. B. Douglas.

A further extension of this study is continuing under the direction of Dr. Douglas through the Unit (of which he is the Director) established by the Medical Research Council in collaboration with the School.

The Committee has also co-operated with the Scottish Council for Research in Education in their follow-up survey of Scottish school children.

A study of changes in marriage and divorce in England and Wales over the past hundred years is being undertaken and several reports have been published. A collection of documentary materials on marriage and divorce has been built up and analysed.

The documentary study was complemented by a stratified sample survey covering a national sample of 3,000 households. This survey, multi-purpose in character, covered not only a number of aspects of marriage, but also detailed questions on fertility and birth control. Several papers have been published dealing in particular with the changing incidence of birth control practice in Great Britain.

Another major enquiry consisted of a demographic study of the British Peerage, covering a period from the beginning of the seventeenth century to the early twentieth century—a study of fundamental importance as a contribution to historical demography. The results of this study were published as a supplement to *Population Studies*—T. H. Hollingsworth, *The Demography of the British Peerage* (Supplement to Volume 18, No. 2, November, 1964).

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During the past four years the research of the Population Investigation Committee has been focused more strictly upon questions of current marriage and fertility patterns in Britain. A pilot study was undertaken covering questions on family size and expected additional fertility as a basis for a national enquiry. A full-scale enquiry into fertility and birth control practice in Britain was launched in 1967. Two papers presenting preliminary results have been published in advance of the completion of a full report. The Committee is also involved in research concerning population questions in developing countries and is helping to evaluate the birth control programme in Mauritius.

The Committee has received financial support from many bodies including the following: Department of Scientific and Industrial Research, the Social Science Research Council, the Ford Foundation, the Home Office, the International Planned Parenthood Federation, the Nuffield Foundation, the Simon Population Trust, the Population Council Incorporated of New York and the Rockefeller Foundation. The Chairman of the Committee is Professor D. V. Glass; the Hon. Research Secretary is Mr. N. H. Carrier and the General Secretary is Mrs. D. Castle.

Survey Research Centre

The Survey Research Centre is concerned primarily with studies of the techniques of social and business research: it tests and develops research procedures and provides teaching and training courses in the methods of social and business research. In addition, it conducts social investigations of various kinds.

Testing and developing research methods

The Centre has for some time been engaged in a major programme of study of question design and has presented reports on a large number of such enquiries. Methodology research has now been extended into: studies of interviewer performance; the identification and development of additional general purpose classifying variables for use in survey research; studies of sample bias.

The Centre's total programme of methods research is supported by subscriptions from social, academic and business organizations in the United Kingdom and abroad. There are at present over one hundred subscribers and the Centre is actively engaged in extending that number. This is fully in line with plans for developing the Survey Research Centre on an international basis as a centre for research methodology.

In developing methodological projects, the Centre seeks the suggestions of social scientists generally, of colleagues in the School and of research practitioners in the organizations that support the Centre's methodological research.

The social research programmes of the Centre

Over the past five years, the Centre has been engaged in a series of studies, supported by the Home Office, of the development of juvenile delinquency. Various reports have been issued in sequence and the last of these, dealing with the testing of hypotheses about causal factors in stealing, is in advanced preparation.

Recently the Centre began a new series of studies dealing with relationships between the police and the public in London. The project is long term in character and is financed by the Metropolitan Police Force. Research is in progress.

Research is shortly to begin on a major enquiry into the long-term effects on

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young people of exposure to TV violence. There will be a substantial methodological preparation for this work.

Research into teaching methods

A study of the teaching methods at the School is being undertaken by the Survey Research Centre for Dr. P. S. Cohen, Dean of Undergraduate Studies.

Teaching activities and technical services

In December last, the Centre initiated a trial form of training in open response interviewing, presenting a course which is now being repeated monthly. Other courses will be added in consultation with the School and with subscriber organizations. Places on these courses will be provided at preferential rates to personnel of subscriber organizations, but will be free to graduate students of the School.

Technical library

A small but specialised library, dealing with techniques of research, has been set up at the Centre under the supervision of Miss B. Read who is preparing an indexed bibliography of literature dealing with research techniques. Miss Read will welcome those wanting to use the library.

Publications of the Centre

The Centre has published over forty papers on aspects of research methodology, a number of major duplicated reports stemming from methods research or from the Centre's social investigations, and several books. A Reprint Series of the Centre consists of bound reprints of papers published by Centre members. Items in this series are circulated internationally to social scientists interested in research methodology.

Staff

Research staff include Mr. P. J. Didcott, Mrs. S. B. Quinn, Mr. L. Brook, Miss L. Light, Miss A. Byles, Miss W. King, Miss J. Pope, Miss P. Swinburne and Miss L. Ward. The head of data processing is Mrs. J. C. Rowat and the Office Manager is Miss J. M. Carr.

The Survey Research Centre is directed by Dr. W. A. Belson, who will welcome enquiries about the Centre and its work.

Other Aspects of Research

Whilst some research activity is financed from School funds, the greater part of it is supported by public sources of research grants, by research foundations and by benefactions from industry and individuals. Reference to some of this support has been made in the preceding paragraphs about the larger units engaged upon co-operative projects. Earlier benefactions have provided support for a wide range of other research projects, some of them extending over several years.

The School has also been glad to accept grants from outside bodies which have made possible the establishment of fellowships, thereby enabling scholars to undertake on a full-time basis investigations the pursuit of which would scarcely have been possible if combined with the heavy burdens of teaching duties.

Other aspects of the School related to the pursuit of research are dealt with in

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other parts of the *Calendar* where particulars will be found of the resources of the British Library of Political and Economic Science, one of the most important 'tools' for social scientists in the world and of the Graduate School and the facilities provided for graduate students.

This brief account of research in relation to the teaching and research staff of the School would not be complete without reference to the important contribution which the School makes by the training of research workers, many of whom thereafter carry their experience to newer centres of social studies both at home and abroad.

Computer Services

As members of London University, students and staff of the School have access to the University computer facilities. These comprise the London University CDC 6600 computer at Guilford Street; the London University ICL Atlas at Gordon Square; the IBM 360/65 at University College; the 1905E at Queen Mary College; the IBM 7094 at Imperial College and the ICL Atlas at Chilton. The School is directly linked through a card reader and line printer and by means of a number of video keyboard terminals to the CDC 6600 computer. In addition, the School shares a CDC 1700 computer at King's College, which is also directly linked to the central 6600.

It is the policy of London University to charge all users who are in receipt of research grants with a financial provision for computing, the direct cost of computer time. All other users have free access to the computer although small charges may be made for the hire of magnetic tapes or discs, and the use of stationery.

A computer service comprising data preparation, computer operating, programming and advisory services, is provided under a Computer Services Manager. The Computer Services Manager is also responsible for liaison with the other computer services of the University. A very comprehensive range of programs designed for the use of social scientists is available to members of the School.

The Computer Services Manager is assisted in his duties by a Computer Services Management Committee, which is also responsible for the appraisal of the long-term computing requirements of the School. In addition, all departments are represented on a Computer Services Users Committee, which represents the views of computer users to the Manager and Management Committee.

Publications by members of the staff from 1 August 1968 to 31 July 1969

(This list includes some publications that were not available for inclusion in the report for 1967-68)

Accounting

Mr. J. A. Arnold

(With E. A. French) 'The U.K. Capital Gains Tax' (*Canadian Chartered Accountant*, June 1969)

Mr. B. V. Carsberg

Introduction to Mathematical Programming for Accountants (Allen and Unwin, 1969)

(Editor with H. C. Edey) *Modern Financial Management* (Penguin, 1969)

Professor H. C. Edey

(Editor with B. V. Carsberg) *Modern Financial Management* (Penguin, 1969)

Mr. E. A. French

(With J. A. Arnold) 'The U.K. Capital Gains Tax' (*Canadian Chartered Accountant*, June 1969)

Professor B. S. Yamey

(With H. W. Thomson) *Foreign Books on Bookkeeping and Accounts 1494 to 1750: A Bibliography* (Institute of Chartered Accountants in England and Wales, 1968)

Anthropology

Dr. M. E. F. Bloch

'Astrology and Writing in Madagascar' in J. Goody (Ed.), *Literacy in Traditional Societies* (C.U.P., 1968)

'L'Ethnologie Britannique' in J. Poirier (Ed.), *Ethnologie Générale* (Galimard, 1968)

'Techniques employées pour l'étude d'un village Merina' (*Civilisation Malgache*, 1969)

Professor M. Freedman

'Geomancy' (*Proceedings of the Royal Anthropological Institute of Great Britain and Ireland*, 1968, June 1969)

Mr. H. G. H. Nelson

(Review article) 'Capitalism and the Chinese Peasant' (*Journal of the Hong Kong Branch of the Royal Asiatic Society*, Vol. 8, 1968)

Publications

Dr. J. C. Woodburn

'An Introduction to Hadza Ecology' and 'Stability and Flexibility in Hadza Residential Groupings' in R. B. Lee and I. DeVore (Eds.), *Man the Hunter* (Aldine, 1968)

Demography

Professor D. V. Glass

'Contraception in Marriage' (*Family Planning*, October 1968)

Mr. C. M. Langford

'Birth Control Practice in Britain' (*Family Planning*, January 1969)

Economics

Professor Sir Roy Allen

Macro-Economic Theory (Papermac edn., Macmillan, 1968)

Professor P. T. Bauer

(With B. S. Yamey) *Markets, Market Control and Marketing Reform* (Weidenfeld and Nicolson, 1968)

'International Development Policy' (*The Quarterly Journal of Economics*, August 1968)

'The Economics of Resentment' (*Journal of Contemporary History*, January 1969)

'Dissent on Development' (*Scottish Journal of Political Economy*, February 1969)

Dr. A. Breton

'A Stable Velocity Function for Canada?' (*Economica*, November 1968)

'Some Economic Problems of Water' (*Sources*, November 1968)

(With R. Breton) 'An Economic Theory of Social Movements' (*The American Economic Review*, May 1969)

'Some Problems of Major Tax Reforms' (*National Tax Journal*, March 1969)

Dr. M. J. Desai

Computer Simulation of California Dairy Industry (Department of Agricultural Economics, University of California, Berkeley, 1968)

'Cost and Returns of Overseas Investment from the Point of View of the Host Country' (Institute of Development Studies, University of Sussex, *Mimeo Series* No. 25, January 1969)

Dr. N. E. Devletoglou

'Threshold and Rationality' (*Kyklos*, Fasc. 4, 1968)

Dr. C. A. E. Goodhart

The New York Money Market and the Finance of Trade, 1900-1913 (Harvard Economic Studies, Vol. 132) (Harvard University Press, 1969)

Publications

Professor W. M. Gorman

- 'Conditions for Additive Separability' (*Econometrica*, July–October 1968)
'Measuring the Quantities of Fixed Factors' in J. N. Wolfe (Ed.), *Value and Growth, Essays in Honour of Sir John Hicks* (Edinburgh University Press, 1968)
'The Structure of Utility Functions' (*Review of Economic Studies*, October 1968)

Professor F. H. Hahn

- 'On Some Propositions of General Equilibrium Analysis' (*Economica*, November, 1968)

Mr. L. Harris

- 'Professor Hicks and the Foundations of Monetary Economics' (*Economica*, May 1969)
The Chicago School of Thought' (*The Bankers' Magazine*, July 1969)

Professor H. G. Johnson

- 'A Note on Seigniorage and the Social Saving from Substituting Credit for Commodity Money' in *Monetary Problems of the International Economy* (University of Chicago Press, 1969)
'The Monetary Implications of a North Atlantic Free Trade Area' in T. Franck and E. Weisband (Eds.), *A Free Trade Association* (Weidenfeld and Nicolson, 1968)
'The Sterling Crisis of 1967' (C. Woody Thompson Memorial Lecture) (*Nebraska Journal of Economics and Business*, Autumn 1968)
'NAFTA: Monetary System . . . More of the Same' (*Columbia Journal of World Business*, September–October 1968)
'The Future of Gold and the Dollar' (*Journal of World Trade Law*, March–April 1969)
'The Gold Rush of 1968 in Retrospect and Prospect' (*American Economics Association Papers and Proceedings*, May 1969)
'The Role of Gold' (*International Currency Review*, April 1969)
'The Case for Flexible Exchange Rates, 1969' in H. G. Johnson and J. E. Nash, *U.K. and Floating Exchange Rates* (Hobart Paper No. 46, Institute for Economic Affairs, May 1969; *Federal Reserve Bank of St. Louis Review*, June 1969)
New Trade Strategy for the World Economy (Allen and Unwin, 1968)
'A New World Trade Policy in the Post-Kennedy Round Era: A Survey of Alternatives with Special Reference to the Position of the Pacific and Asian Regions' in K. Kojima (Ed.), *Pacific Trade and Development* (Tokyo, JERC, February 1968); *Economic Record*, June 1968
'Current International Economic Policy Issues' (*The Journal of Business*, January 1969)
Harmonization of Economic Policies Under Free Trading Arrangements: Issues for Canada' (*Journal of Canadian Studies*, November 1968)
'The Watkins Report: Towards a New National Policy?' (*International Journal*, Autumn, 1968)
'The North-South Problem in the World Economy, and the Implications of UNCTAD 1968' in K. Kojima (Ed.), *Pacific Trade and Development II* (Tokyo, JERC, April 1969); *Foreign Trade Review*, April–June 1969

Publications

- 'On Demolishing the Barriers to Trade' in *Rebuilding the Liberal Order* (Institute of Economic Affairs, March 1969)
'Financial and Monetary Problems: Britain and the EEC' in H. G. Johnson, J. Pinder, D. Swann, M. A. G. van Meerhage, *Economics: Britain and the EEC* (Longmans Green, 1969)
Comparative Cost and Commercial Policy Theory for a Developing World Economy (The Wickseil Lectures, 1968)
'The Theory of International Trade' in P. A. Samuelson (Ed.), *International Economic Relations: Proceedings of the Third Congress of the International Economic Association*, Montreal (Macmillan, 1969)
'Issues in Monetary Research 1967' (*The Journal of Political Economy*, 1968)
'Problems of Efficiency in Monetary Management' (*The Journal of Political Economy*, September–October 1968; *Kredit und Kapital*, Jahrgang 1968)
'Inside Money, Outside Money, Income, Wealth and Welfare in Contemporary Monetary Theory' (*Journal of Money, Credit and Banking*, February 1969)
'Observations on the Bank Merger Proposals' (*The Bankers' Magazine*, September 1968)
'Current Issues in Monetary Policy' (*Financial Analysts Journal*, July–August 1968; *The Bankers' Magazine*, November 1968; *Malaysian Management Review*, December 1968)

Mr. K. Klappholz

- Introduction to E. J. Mishan, *Twenty-One Popular Economic Fallacies* (Allen Lane, The Penguin Press, 1969)

Mr. D. H. Metcalf

- 'Concentration in the Retail Grocery Industry in Great Britain' (*Farm Economist*, 1968)
(With C. Greenhalgh) 'Price Behaviour in a Retail Grocery Sub-Market' (*British Journal of Marketing*, Autumn 1968)
'Labour Productivity in English Agriculture, 1850–1914: A Theoretical Comment' (*The Economic History Review*, March 1969)

Dr. E. J. Mishan

- Welfare Economics: An Assessment* (The de Vries Lectures for 1968) (North Holland, 1969)
'Why Growth Should Not be a Policy Objective' in A. T. Robinson and J. Cutt (Eds.), *Public Finance in Canada: Selected Readings* (Methuen, 1968)
'A Note on the Costs of Tariffs, Monopolies, and Theft' (*Western Economic Journal*, September 1968)
'How to Guide the Invisible Hand' in *Symposium* (Talminad Congress Committee, Madras, 1969)
'What is Producers' Surplus?' (*The American Economic Review*, December 1968)
'Does Immigration Confer Benefits on the Host Country? The Case of Britain' in *The Economics of Immigration* (Institute of Economic Affairs, 1969)
'Prestigious versus Useful Knowledge' (*Indian Economic Journal*, September 1968)

Publications

- 'Rent and Producers' Surplus: A Reply' (*The American Economic Review*, September 1969)
'Welfare Economics' (*Spanish Encyclopedia*, Proliber, Madrid, 1968)
'Abyss of Progress' (*The Nation*, November 1968)
'Immigration: Some Long Term Consequences (Part B)' (*Economia Internazionale*, August 1968)
Twenty-One Popular Economic Fallacies (Introduction by K. Klappholz) (Allen Lane, The Penguin Press, 1969)
The Costs of Economic Growth (Penguin edn., 1969)
'Economic Priority: Growth or Welfare' (*The Political Quarterly*, January 1969)
'The Spillover Enemy' (*Encounter*, August 1969)
'The Economics of Disamenity' (*Report to the Commission on London's Third Airport*, March, 1969)
'Normalisation of Public Investment: An Amendment' (*The Economic Journal*, September 1969)
'The Relationship between Joint Products, Collective Goods and External Effects' (*The Journal of Political Economy*, June 1969)
Económica del Bienestar (Translation of *Welfare Economics: Five Introductory Essays*) (Ediciones Rialp, S.A., Madrid, 1969)
'Some Heretical Thoughts on University Reform' (*Encounter*, March 1969)
Welfare Economics: Ten Introductory Essays (Random House, 1969)
Economic Growth: The Price We Pay (Staples Press, 1969)

Dr. G. Morton

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Mr. L. P. Foldes

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Professor G. L. Goodwin

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Mr. P. Hodge

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Professor R. M. Titmuss

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Professor A. A. Walters

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Professor M. J. Wise

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Professor B. S. Yamey

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Statistics of Students

Analysis of Regular and Occasional Students, 1965-70

	Session 1965-66	Session 1966-67	Session 1967-68	Session 1968-69	Session 1969-70
REGULAR STUDENTS					
First Degree	1634	1743	1669	1596	1486
First Diploma	80	83	73	60	74
Higher Degree	970	1206	1195	1149	1152
Higher Diploma and Certificate	220	198	166	187	184
Research Fee	125	137	81	84	78
Other Regular	89	111	78	89	69
TOTAL OF REGULAR STUDENTS	3118	3478	3262	3165	3043
OCCASIONAL STUDENTS	360	355	177	207	232
GRAND TOTAL	3478	3833	3439	3372	3275

Analysis of Overseas Students, 1965-70

	Session 1965-66	Session 1966-67	Session 1967-68	Session 1968-69	Session 1969-70
REGULAR STUDENTS					
First Degree	172	184	145	149	174
First Diploma	22	17	11	9	2
Higher Degree	403	583	519	450	443
Higher Diploma and Certificate	56	58	39	50	98
Research Fee	85	115	66	72	17
Other Regular	74	85	62	69	70
TOTAL	1028	1240	926	870	858

NOTE: For a definition of the terms 'Regular' and 'Occasional' students see page 137.

Analysis of Regular and Occasional Students, 1968-70

REGULAR STUDENTS	SESSION 1969-70			SESSION 1968-69			Grand Total
	Full-time Students		Part-time Students	Full-time Students		Part-time Students	
	Men	Women	Total	Men	Women	Total	
B.Sc. (Economics)							
1st year	226	64	290	264	50	314	1004
2nd year	239	48	287	253	36	289	
3rd year	264	39	303	300	53	353	
4th year				817	139	956	
5th year							
B.A. (Sociology)							
1st year	4	2	6	5	9	14	196
2nd year	3	9	12	5	13	18	
3rd year	6	12	18	4	13	17	
B.Sc. (Sociology)							
1st year	19	19	38	16	32	48	196
2nd year	15	26	41	21	30	51	
3rd year	20	30	50	25	23	48	
LL.B.							
1st year	58	11	69	47	14	61	197
2nd year	45	10	55	44	17	61	
3rd year	40	18	58	54	18	72	
4th year							
B.Sc. Social Anthropology							
1st year	6	9	15	9	1	10	23
2nd year	5	1	6	2	5	7	
3rd year	2	3	5	1	5	6	
B.A. Honours Geography							
2nd year	1		1	1	4	5	63
3rd year							
B.Sc. Geography	20	4	24	15	6	21	
1st year	14	4	18	11	9	20	63
2nd year	11	9	20	4	4	8	
3rd year							

Analysis of Regular and Occasional Students, 1968-70 (Cont.)

REGULAR STUDENTS	SESSION 1969-70						SESSION 1968-69							
	Full-time Students			Part-time Students			Grand Total	Full-time Students			Part-time Students			Grand Total
	Men	Women	Total	Men	Women	Total		Men	Women	Total	Men	Women	Total	
B.A. Honours History														
1st year	7	8	15					10	3	13				
2nd year	8	3	11					10	5	15				
3rd year	10	6	16					8	5	13				
			42				42			41				41
B.A. Honours Philosophy and Economics														
1st year								6	2	8				
2nd year	5	1	6					4	2	6				
3rd year	4	2	6					5	1	6				
			12				12			20				20
B.A. French/Linguistics														
1st year	3	6	9					2	3	5				
2nd year	1	2	3					4	9	13				
3rd year (abroad)	4	9	13											
			25							18				
B.A. German/Linguistics														
1st year		2	2					1	2	3				
2nd year	1	3	4											
			6							3				
B.A. French/German														
1st year	1	1	2					1	2	3				
2nd year		1	1											
			3				37			9				
B.A. French/Spanish														
1st year										3				
2nd year		2	2											
B.A. German/Russian														
1st year		1	1											
B.Sc. Mathematics														
1st year	13	2	15					11	2	13				
2nd year	7	1	8					9	3	12				
3rd year	9	3	12											
			35				35			25				25
B.Sc. Social Psychology														
1st year	7	8	15				15							

Analysis of Regular and Occasional Students, 1968-70 (Cont.)

REGULAR STUDENTS	SESSION 1969-70						SESSION 1968-69							
	Full-time Students			Part-time Students			Grand Total	Full-time Students			Part-time Students			Grand Total
	Men	Women	Total	Men	Women	Total		Men	Women	Total	Men	Women	Total	
M.Sc.														
1st year	213	84	297					244	79	323				
2nd and subsequent years	34	10	44					39	14	53				
M.Sc. (Economics)														
2nd and subsequent years														
				3		3						7		7
Ph.D.														
1st year	18	2	20					18	3	21				
2nd and subsequent years	111	22	133					101	19	120				
			714	4	2	6	373			734				353
M.Phil.														
1st year	97	33	130					122	31	153				
2nd and subsequent years	70	20	90					43	21	64				
				74	27	101								
LL.M.														
1st year	33	3	36					29	2	31				
2nd and subsequent years	2		2					1		1				
M.A. New regulations														
1st year	4	1	5					4	3	7				
2nd and subsequent years														
			45				20			40				22
Old regulations														
2nd year	1	1	2						1	1				
Research Fee														
1st year	55	11	66					60	15	75				
2nd and subsequent years	3	2	5					2		2				
			71				7			77				84
University Academic Postgraduate Diploma: Anthropology														
1st year	2	2	4					2	5	7				
2nd and subsequent years	2	4	6					2		2				
			10				10			9				9

Analysis of Regular and Occasional Students, 1968-70 (Cont.)

REGULAR STUDENTS	SESSION 1969-70				SESSION 1968-69				Grand Total
	Full-time Students		Part-time Students		Full-time Students		Part-time Students		
	Men	Women	Men	Women	Men	Women	Men	Women	
Diplomas awarded by the School:									
Diploma in Applied Social Studies	11	15	26		7	22	29		29
Diploma in Development Administration	19	1	20		16	5	21		21
Diploma in Mental Health	8	18	26		8	22	30		30
Diploma in Personnel Management	19	11	30		19	11	30		30
Diploma in Social Administration:									
1 year course	16	39	55		16	44	60		60
2 year course:									
1st year	16	16	32		16	12	28		28
2nd year	16	10	26		7	25	32		32
Diploma in Statistics:									
1st year	14	2	16		6	2	8		8
2nd year	1	1	2						
General Course	53	16	69		51	19	70		70
Overseas Course	1	1	2		1	1	2		2
Trades Union Studies	13	2	15		18		18		18
TOTAL OF REGULAR STUDENTS	1910	704	2614	328	1993	739	2732	353	3165
OCCASIONAL STUDENTS	138	94	232		168	39	207		207
GRAND TOTAL	2048	798	2846	328	2161	778	2939	353	3372

Statistics of Students

Analysis of Overseas¹ Students in Attendance at the London School of Economics during the Sessions 1965-70

	1965-66	1966-67	1967-68	1968-69	1969-70
Balkan States	7 (7)	5 (5)	2 (2)	4 (4)	2 (2)
France	10 (5)	5 (5)	12 (7)	7 (4)	3 (2)
Germany	47 (24)	43 (28)	26 (22)	25 (24)	20 (19)
Greece ²	22 (20)	32 (29)	28 (25)	30 (29)	34 (33)
Holland	5 (5)	5 (4)	1 (1)	2 (2)	3 (3)
Italy	9 (4)	9 (6)	13 (7)	11 (8)	10 (8)
Poland	6 (6)	6 (6)	—	1 (1)	5 (5)
Russia	—	2 (2)	1 (1)	3 (3)	1 (1)
Scandinavia	14 (6)	9 (7)	8 (6)	18 (14)	16 (12)
Switzerland	3 (—)	7 (4)	8 (8)	2 (2)	4 (2)
Others	38 (29)	45 (40)	30 (27)	44 (39)	41 (41)
Total Europe	161 (106)	168 (136)	129 (106)	147 (130)	139 (128)
Burma	1 (1)	1 (1)	—	—	—
Ceylon	7 (7)	8 (7)	7 (6)	6 (5)	18 (18)
China	7 (6)	17 (8)	—	1 (1)	1 (1)
India	60 (58)	71 (69)	48 (42)	30 (28)	29 (28)
Malaysia ³	—	—	23 (22)	26 (26)	33 (33)
Pakistan	29 (29)	33 (33)	32 (31)	26 (26)	33 (30)
Israel	6 (2)	27 (26)	20 (18)	16 (14)	17 (17)
Japan	16 (2)	20 (11)	7 (6)	17 (12)	12 (9)
Singapore ³	—	—	10 (10)	6 (6)	5 (5)
Turkey ³	15 (9)	17 (10)	16 (14)	14 (12)	16 (16)
Others	72 (58)	76 (72)	31 (30)	42 (38)	52 (50)
Total Asia	213 (172)	270 (237)	194 (179)	184 (168)	216 (207)
Ghana	13 (12)	25 (25)	24 (24)	15 (15)	6 (6)
Nigeria	55 (53)	54 (53)	36 (32)	20 (20)	16 (16)
United Arab Republic	13 (11)	5 (4)	3 (3)	1 (1)	2 (2)
Rhodesia ⁴	—	—	11 (11)	9 (9)	4 (4)
South Africa	25 (23)	21 (21)	14 (14)	16 (15)	14 (14)
Others	47 (45)	52 (48)	33 (32)	34 (34)	48 (47)
Total Africa	153 (144)	157 (151)	121 (116)	95 (94)	90 (89)
Canada	74 (70)	103 (94)	112 (108)	112 (106)	121 (116)
United States	324 (243)	404 (316)	270 (250)	244 (226)	213 (200)
Others	1 (1)	11 (6)	10 (6)	9 (6)	5 (5)
Total North America	399 (314)	518 (416)	392 (364)	365 (338)	339 (321)
West Indies	23 (22)	27 (27)	16 (15)	15 (15)	13 (13)
Central America	4 (3)	4 (2)	9 (6)	4 (4)	4 (1)
South America	40 (20)	48 (28)	32 (25)	31 (23)	27 (19)
Australia	25 (22)	37 (34)	28 (26)	20 (18)	17 (16)
New Zealand	9 (9)	11 (11)	5 (5)	9 (9)	12 (10)
Fiji	1 (—)	—	—	—	—
Others	—	—	—	—	1 (—)
Total Oceania	35 (31)	48 (45)	33 (31)	29 (27)	74 (59)
Total	1028 (812)	1240 (1042)	926 (842)	870 (799)	858 (804)

The figures in brackets denote the number of Regular Students

¹ For comparison with the figures of previous years, the definition of an overseas student for the purposes of this table has been based on domicile, unlike the definition used in determining fees² Previously included in the Balkan States³ Previously included in Asia: Others⁴ Previously included in Africa: Others

Part II: Regulations and Facilities

Admission of Students

1. Students are classified in the following categories:

- (a) Regular students—those paying a composition fee for a degree or diploma or for any other full course and students paying a research fee.
- (b) Occasional students—those paying a fee for one or more separate courses of lectures.

2. No student will be admitted to any course until he has paid the requisite fees.

First Degrees

1. All applications for admission to full-time courses leading to a first degree at the School should be made through the Universities Central Council on Admissions. The Council's address is P.O. Box 28, Cheltenham, Glos., GL50 1HY, and all completed application forms should be sent there.

2. Students at school in this country may obtain the application form and a copy of the U.C.C.A. handbook, which contains a list of universities and degree courses and instructions on completing the form, from their head teacher. Other students may obtain the form and handbook from the Secretary of the U.C.C.A. The cost, post free, is 4s. 0d. (20p) within the United Kingdom; 6s. 0d. (30p) within Europe; 10s. 0d. (50p) elsewhere.

3. Completed application forms must be returned to the U.C.C.A. and not to the School. The School's code number is L LSE 44. An overseas student should normally submit his form to the U.C.C.A. through one of the recognised agencies, such as the Ministry of Overseas Development or his own country's High Commissioner's Office, Students' Office, Embassy or Consulate General in the United Kingdom. Students from Ceylon, Ghana, India, Malaysia, Nigeria and Pakistan should make application through the education department of the office of their High Commissioner in London. Students from Australia, Canada, New Zealand, South Africa, the Republic of Ireland and the United States of America, and citizens of the U.K. and colonies resident in East Africa should submit their applications direct to the U.C.C.A. British Council offices abroad can give helpful advice, but do not supply application forms or handbooks. Any student whose permanent home address is outside the U.K. will be classed as an overseas student for U.C.C.A. purposes.

4. The earliest date at which the U.C.C.A. will receive applications for admission in October 1971 is 1 September 1970. The closing date for the receipt of applications at the U.C.C.A. is 15 December 1970, except for students who include Oxford or Cambridge in their choice of universities, who must submit their applications by 15 October 1970. However, all students are advised to submit their applications as soon as possible after 1 September and not to leave them until the last minute.

5. Before anyone can be considered for admission to a degree course he must either have satisfied the general requirements of the University of London and any additional requirements for the course for which he is applying, or intend to do so

Admission of Students

before the date on which he wishes to be admitted. The entrance requirements for the degree courses conducted by the School are set out briefly on pages 138–43. Full details may be found in the pamphlet *Regulations Relating to University Entrance Requirements* which may be obtained from the Secretary to the University Entrance Requirements Department, University of London, Senate House, Malet Street, London, WC1E 7HU. Intending students are advised to obtain a copy of the regulations and to check that their qualifications are appropriate for the course they wish to follow.

6. The fact that a student has satisfied these general requirements does not mean that he will automatically obtain a place at the School. Candidates are usually expected to have reached a standard well above the pass mark in their qualifying examinations. Some students may also be asked to attend for interview or to take an entrance examination.

7. No person under the age of eighteen years will be admitted as a student without the Director's special permission. Any student who wishes to enter the School before his eighteenth birthday may be asked to write to state his reasons.

8. Candidates will be informed of the result of their applications through the U.C.C.A. Successful candidates will be admitted as regular students of the School on payment of the requisite fees and on presentation of a Statement of Eligibility to enter the University of London. They will receive an admission card, which must be produced at any time on demand.

9. No student is allowed to register or study concurrently for more than one examination of the University of London or of the School unless he has previously obtained in writing the permission of the Director of the School. Students studying for an examination of the University or of the School who wish to study at the same time for an examination held by an outside body are required to state this fact when applying for admission to the School. Students failing to disclose this fact are liable to have their registration cancelled.

Interviews

Most offers of a place are made without the students' being called for interview, but practice varies from one course to another. However, the School normally invites applicants who have received an offer of a place to come to see its buildings, to meet teachers and to ask questions.

University Entrance Requirements

All candidates for admission to degree courses at the School must, by the date on which they hope to be admitted, be able to satisfy:

- (a) the general requirements laid down by the University of London for admission to degree courses.
- (b) the course requirements (if any) for the particular degree course they wish to follow. (See table on pages 141–3.)

Candidates may satisfy the general entrance requirements by:

1. passing the General Certificate of Education examination, or an approved equivalent, in the required number of subjects, i.e.
 - either (a) two at advanced level and three at ordinary level,
 - or (b) three at advanced level and one at ordinary level;

Admission of Students

(Notes: (i) A Grade I pass in a subject taken in the Certificate of Secondary Education is recognised as equivalent to an Ordinary level pass in the G.C.E. examination.

(ii) Higher or Lower passes in the Scottish Certificate of Education examination are accepted as equivalent to Ordinary level subjects in the G.C.E. examination. Advanced level equivalence is granted to certain subjects passed in the Certificate of Sixth-year Studies, and passes in certain branches of mathematics in the post-higher syllabus may count as equivalent to Advanced level subjects.)

- or 2. graduating in another university;
- or 3. obtaining by examination a full practising professional qualification;
- or 4. obtaining the Diploma in Technology;
- or 5. applying under the regulations for Advanced Students in virtue of a Teacher's Certificate, awarded since 1962, after a course of study lasting three academic years in a Training College in England or Wales, or a three-year course of training in Northern Ireland since 1950;
- or 6. by other qualifications to be considered by a special entrance board. (See below.)

For a list of first degree courses and course requirements see pages 141–3.

A special entrance board will consider applications from holders of the Higher National Diploma or Certificate, or the Ordinary National Diploma or Certificate. Full details will be found in the pamphlet *Regulations Relating to University Entrance Requirements* mentioned in Section 5 on page 138.

Additional Information for Overseas Students

Many students overseas will find it convenient to submit their applications to the U.C.C.A. through an established agency, such as their government's Students Office or High Commission, or the Ministry of Overseas Development; and students are advised to seek the help and advice of these agencies before submitting an application. Students who wish to do so, however, may send direct to the U.C.C.A. any application for admission to a first degree course at the School. Students who are in any doubt or difficulty over this procedure may write direct to the School for advice.

Candidates from overseas are also asked to take particular note of the following points:

- (a) Those who do not hold the relevant British qualifications listed on pages 138–9, but who hold a qualification enabling them to enter a foreign university may be considered by a special entrance board of the University of London. Such students should in the first instance apply for admission to the School through the U.C.C.A. If the School is willing to admit them it will forward their applications to the special board for consideration.
- (b) Students whose mother tongue is not English will be required to give evidence of proficiency in the language before their applications can be considered.
- (c) Candidates from overseas, whether living abroad or in the United Kingdom at the time they make application, will be required, before they are accepted, to show that they have adequate financial resources to cover the cost of the three-

Admission of Students

year full-time course of study for a first degree. They will be asked to provide a guarantee that they have available at least £650 a year in addition to the fees. They may also be asked to provide a medical certificate.

- (d) Intending students from overseas should not set out for this country unless they have received a definite offer of a place at the School.
- (e) There is further information on pages 154-6 about fees for overseas students.

*Admission of Students***Degree Courses and Course Requirements**

All candidates must satisfy the University general requirements given on pages 138-9 as well as the course requirements for the particular degree they wish to take.

<i>Degree</i>	<i>Course Requirements</i>	<i>Additional Information</i>	<i>Page</i>
B.Sc. Economics	—	O level pass in Mathematics expected	187-206
B.A./B.Sc. Sociology ¹	—		
Branch I—Sociology	—	O level pass in Mathematics expected	224-5
Branch III—Social Administration	—	O level pass in Mathematics expected	225-6
B.Sc. Geography	—	O level pass in Mathematics expected	211-16
B.Sc. Social Anthropology	—	O level pass in Mathematics expected	209-11
B.Sc. Social Psychology	—	O level pass in Mathematics expected	221-4

¹Apply for B.A. Sociology or B.Sc. Sociology, not for both.

<i>Degree</i>	<i>Course Requirements</i>	<i>Additional Information</i>	<i>Page</i>
B.Sc. Mathematics	—	A level pass in Pure Mathematics expected ¹	219-20
LL.B	—	—	206-8
B.A. History	Pass at O or A level in an approved modern foreign language	A level pass in History and O level pass in another foreign language (preferably classical) expected	216-7
B.A. Language Studies:		A four-year course, one year of which is spent abroad	217-8
French/Linguistics	Pass at A level in French and at O or A level in a second foreign language	—	
German/Linguistics	Pass at A level in German and at O or A level in a second foreign language	—	

¹Or its equivalent if taken under an Examination Board other than London.

<i>Degree</i>	<i>Course Requirements</i>	<i>Additional Information</i>	<i>Page</i>
B.A. in Two Modern Languages		A four-year course, one year of which is spent abroad	219
French/Russian	Pass at A level in French and at O or A level in Russian	—	
French/Spanish	Pass at A level in French and at O level in Latin	A level pass in Spanish preferred	
German/French	Pass at A level in French and at least at O level in a second foreign language	A level pass in German is preferred as second language	
German/Russian	Passes at O or A level in two languages, preferably German and Russian	—	
German/Spanish	Passes at O or A level in two languages, preferably German and Spanish	—	

General Course Students

Enrolment in this category is suitable for students who wish to follow a full-time course of study at the School for one year only. The facilities are intended mainly for foreign students, and attendance does not count towards any degree awarded by London University.

1. Applications for General Course registration will be considered from undergraduates who will have completed at least two years of study in a foreign university by the time of their enrolment at the School. Highly qualified graduate students who wish to do general work in the social sciences may also apply. Graduates who wish to follow a more specialised course without preparing for a degree, should apply for Research Fee registration (see pages 154 and 245).
2. General Course enrolment enables a student to attend lectures and receive tuition at the School for one academic year only.
3. The number of students admitted each year is strictly limited. Only students who propose to spend one whole session at the School will ordinarily be considered.
4. (a) At the beginning of the year a reception programme is arranged, which includes an introductory talk by the Adviser to General Course students, who has general responsibility for all students in this category.
(b) Every student is allocated to a tutor, who will advise in the selection of courses and act throughout the session as supervisor.
(c) The student may attend most lecture courses and may also join classes.
(d) The student has full use of the Library without payment of any additional fee.
5. (a) At the end of the course each student will be given, on request, a certificate of registration. This certificate lists the lectures and classes for which the student was registered, but does not include a detailed record of attendance.
(b) The student may apply to write not more than two examination papers in subjects of his own choosing. The results of any examinations are added to the registration certificate.
(c) A tutor's confidential report will also be made available, on request, to the student's home university.

The School does not grade students or award credits on the American model. Before committing themselves to attendance, students should, therefore, ensure that the facilities outlined above will satisfy the requirements of their home university.

6. Application forms for General Course registration may be obtained from the Assistant Registrar (Admissions) of the School. Completed applications must reach the School not later than 31 March before the opening of the session for which admission is sought.

Occasional Students

1. Occasional students are entitled to select up to three lecture courses per term from those available in the Sessional Timetable. They are normally required to enrol for a complete course or for a whole term; registration for single lectures is not permitted. Classes and seminars are not normally open to Occasional students.

The fee for most courses is 10s. (50p) per hour. Refunds of fees are not normally available.

2. Applicants for admission as Occasional students must normally be in full-time employment.
3. A person seeking admission as an Occasional student should obtain a form of application from the Assistant Registrar (Admissions) of the School and return it at least four weeks before the opening of the term in which he wishes to attend.
4. Each applicant will be asked to state his qualifications for study at the School and the purpose for which he wishes to study, and he may be invited to attend for interview before admission. In view of pressure on teaching resources and accommodation, only a limited number of Occasional students will be accepted. Candidates for external degrees of this University may not normally be registered as Occasional students.
5. If the application is accepted the student will, on payment of the fees, receive a card of admission for the courses named thereon and must produce it on demand.
6. Occasional registration does not entitle a student to tutorial assistance. The teaching facilities are strictly limited to attendance at the courses for which the individual student is registered.
7. An Occasional student will be allowed full use of the Main Library but not of the Teaching Library.
8. At the end of his attendance a student will, on request, be given a typed certificate listing the courses for which he has been registered, but this certificate will not include a detailed record of attendance.

University Registration

Students of the School who are reading for degrees or diplomas of the University of London are registered by the School as internal students of the University.

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Preamble

1. The School exists for the pursuit of learning. Its fundamental purpose can be achieved only if its members can work peaceably in conditions which permit freedom of thought and expression within a framework of respect for the rights of other persons.

The Regulations exist to maintain these conditions and protect the School from actions which would damage its academic reputation or the standing of the School and its members.

Alterations and Additions

2. There shall be a Rules and Regulations Committee. The Committee shall consist of the Director, three Academic Governors, and three other members of the Academic Board elected annually by the Board, the President and Deputy President of the Students' Union and three other student members elected annually from among the registered full-time students in accordance with Regulation 25. The Committee may make recommendations for alterations and additions to these Regulations to the Standing Committee of the Governors and such alterations or additions shall come into effect forthwith upon publication after the approval of the Standing Committee has been given. If at any time the Standing Committee does not accept a recommendation of the Rules and Regulations Committee it shall state its reasons to that Committee in writing.

3. The Rules and Regulations Committee may also make recommendations to the Director on Rules for the conduct of School affairs, and the Director or any other person authorised by him may make and issue Rules that are not inconsistent with these Regulations after consultation with the Committee. The Director or any other person authorised by him may also, in circumstances which in the opinion of the Director or such other person constitute an emergency, issue Instructions for the duration of the emergency.

General

4. No student of the School shall:

- (a) Disrupt teaching, study, research or administrative work, or prevent any member of the School and its staff from carrying on his work, or do any act reasonably likely to cause such disruption or prevention;
- (b) Damage or deface any property of the School, or do any act reasonably likely to cause such damage or defacing;
- (c) Use the School premises contrary to the Regulations and Rules, or do any act reasonably likely to cause such use;
- (d) Engage in any conduct which is, or is reasonably likely to be, clearly detrimental to the School's purposes.

Academic Matters

5. The Director may at his discretion refuse to any applicant admission to a course of study at the School or continuance in a course beyond the normal period required for its completion. He may refuse to allow any student to renew his attendance at the School as from the beginning of any term, on the ground of the student's lack

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of ability or of industry, including failure in a degree examination or other examination relating to a course, or failure, without adequate reason, to enter for an examination after completing the normal course therefor, or for any other good academic cause.

The Press

6. The admission to the School of representatives of the press, radio or television shall be governed by Rules made under these Regulations.

Public Statements

7. A student using the name or address of the School on his own behalf or on behalf of an organization in a public statement or communication shall make clear his status as a student, and the status of any such organization.

Copyright in Lectures

8. The copyright in lectures delivered in the School is vested in the lecturers, and notes taken at lectures shall be used only for purposes of private study. Lectures may not be recorded without permission of the lecturer. Any recording permitted is subject to the conditions (if any) required by the lecturer.

Misconduct

9. Any breach by a student of these Regulations constitutes misconduct and renders the student guilty of such a breach liable to penalties as laid down in these Regulations. Misconduct shall not be excused by the fact that the offender may have acted on behalf of, or on the instructions of, any other person or organization.

10. If suspension from any or all of the facilities of the School has been imposed by a Summary Tribunal or by a Board of Discipline, or by the Director or under his authority under Regulation 24, and the student upon whom it has been imposed fails during the period of the suspension to comply with its terms, this failure shall itself be misconduct.

11. If a student is convicted of a criminal offence in the courts which relates to an act committed within the School or immediately affecting the School or committed in such circumstances that the continued presence of the offender within the School may be clearly detrimental to the well-being of the School, the fact of a conviction will not necessarily preclude the institution of disciplinary action by the School under these Regulations.

Penalties for Breaches of Regulations

12. The following penalties may be imposed for a breach by a student of any of these Regulations:

Reprimand.

A fine not exceeding £25.

Suspension from any or all of the facilities of the School for a specified period.

Expulsion from the School.

In any case where a penalty is imposed (other than a reprimand) the Director or the authority imposing the penalty may suspend its coming into force conditionally upon the good behaviour of the offender during the remainder of his membership of the School.

Regulations for Students

13. A Board of Discipline may impose any of the penalties listed in Regulation 12. A Summary Tribunal may impose any of the following penalties:

Reprimand.

A fine not exceeding £25.

Suspension from any or all of the facilities of the School for a period not exceeding six weeks.

Disciplinary Procedures

14. Where any member of the staff or any student of the School believes that a breach of the Regulations has been committed by a student of the School he may file a complaint against that student for misconduct. The complaint shall be filed in writing with the Academic Secretary, who will investigate the matter.

Should the Academic Secretary be satisfied that a *prima facie* case exists, he will refer the complaint to the Director, or to another person authorised by the Director, and the Director or such person shall decide whether the complaint shall be proceeded with, and, if so, whether before a Summary Tribunal or before a Board of Discipline. In deciding whether proceedings shall take place before a Summary Tribunal or a Board of Discipline the Director or the person authorised by him shall have regard to the seriousness of the alleged misconduct. Where the decision is made to proceed the Director or the person authorised by him shall formulate the charge or cause it to be formulated, and convene a Summary Tribunal or Board of Discipline as the case may require.

15. Subject as hereinafter provided, the members of Summary Tribunals and Boards of Discipline shall (other than the Chairman of a Board of Discipline) be drawn from a Disciplinary Panel and a Student Disciplinary Panel:

Provided that

- (a) If a person who has been selected as a member of a Tribunal or Board, and to whom not less than seventy-two hours' notice of its convening has been despatched, is absent during any part of the proceedings of the Tribunal or Board, he shall thereafter take no further part in the proceedings and his absence shall not invalidate the proceedings unless the number of those present throughout the proceedings (including the Chairman) falls below two in the case of a Summary Tribunal or four in any other case.
- (b) Students against whom charges of misconduct are laid shall have the right, if they so wish, to be heard by a disciplinary body without student members provided it is otherwise properly constituted.

16. The Disciplinary Panel shall consist of ten lay Governors appointed annually by the Court of Governors and ten members of the academic staff who are appointed teachers of the University of London or recognised teachers of the University of London of at least two years' standing at the time of selection, selected annually by lot in accordance with Regulation 27:

Provided that

- (a) No Governor who is a member of the Standing Committee of the Court of Governors shall be a member of the Disciplinary Panel.
- (b) No member of the Rules and Regulations Committee shall be a member of the Disciplinary Panel.

17. The Student Disciplinary Panel shall consist of ten persons who are registered full-time students selected annually by lot in accordance with Regulation 26.

Regulations for Students

18. Subject to Regulation 29, appointments of Governors to and selection of academic members of the Disciplinary Panel and the selection of the Student Disciplinary Panel shall take place in the year preceding the year of office, which shall commence on 1 August in each year. Additional appointments and selections may be made during the year of office to fill casual vacancies.

19. The members of a Summary Tribunal or of a Board of Discipline (other than lay Governors, who shall be selected by the person convening a Board, and the Chairman) shall be selected from the appropriate Panels by lot. No person shall be eligible for selection as a member of a Tribunal or Board if he is himself the subject of the case intended to be referred to that Tribunal or Board, or if he is the person who has brought the complaint, or if in the opinion of the person convening the Tribunal or Board it would be unfair to the person who is the subject of the case if he were to be selected. If at the commencement of a hearing a member of a Tribunal or Board is successfully challenged by the student who is the subject of the case, or his representative, that member shall be replaced by another person selected in a like manner.

20. Subject to Regulation 15, a Summary Tribunal shall consist of two academic members of the Disciplinary Panel and one member of the Student Disciplinary Panel. The Chairman of a Summary Tribunal shall be appointed from the Disciplinary Panel by the person convening the Tribunal. The decision of a Summary Tribunal shall be by a majority. At least seventy-two hours before a Tribunal meets, the student alleged to have committed a breach of these Regulations shall be informed in writing of the date of the hearing and of the nature of the breach which he is alleged to have committed. At the hearing of the Summary Tribunal he shall be entitled to be represented by an advocate of his own choice, who may be a lawyer. He or his representative shall be entitled to cross-examine any witness called, and to call witnesses in his defence. He shall further be entitled to give evidence and to address the Tribunal in his defence. The Summary Tribunal shall report its findings and the penalty (if any) imposed in writing to the student concerned and to the Director.

21. In every case where a Summary Tribunal reports that a breach of Regulations has been committed the student concerned shall be entitled to request, within forty-eight hours of being informed of the report and of the penalty proposed to be imposed, that the decision be reviewed by an Appeals Board consisting of two members of the Disciplinary Panel who shall not be persons concerned in the original hearing, selected in the same manner as the academic members of the Summary Tribunal. The Appeals Board shall not re-hear evidence, but otherwise shall determine its own procedure. It shall report its decision in writing to the student concerned and to the Director.

22. Subject to Regulation 15, a Board of Discipline shall consist of two members of the Disciplinary Panel who are also lay Governors, two academic members of the Disciplinary Panel, two members of the Student Disciplinary Panel and a Chairman who shall be a practising member of the Bar of at least seven years' standing who is not a member of the School and who shall be appointed in consultation with and subject to the agreement of the Vice-Chancellor of the University of London. The decision of a Board of Discipline shall be by a majority. At least three weeks before a Board of Discipline meets, the student alleged to have committed a breach

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of these Regulations shall be informed in writing of the date of the meeting and of the nature of the breach which he is alleged to have committed. At the hearing of the Board of Discipline he shall be entitled to be represented by an advocate of his own choice, who may be a lawyer. He or his representative shall be entitled to cross-examine any witness called, and to call witnesses in his defence. He shall further be entitled to give evidence and to address the Board in his defence. The Board of Discipline shall report its findings and the penalty (if any) imposed in writing to the student concerned and to the Director.

23. In every case where the Board of Discipline reports that a breach of Regulations has been committed the student concerned shall be entitled, within three weeks of being informed of the report and of the penalty proposed to be imposed, to appeal to an Appeals Committee of two members, neither of whom shall be members of the School, appointed in consultation with and subject to the agreement of the Vice-Chancellor of the University of London. The Appeals Committee shall not re-hear evidence but otherwise shall determine its own procedure and shall report in writing its decision to the student concerned and to the Director.

24. At any time when a decision to refer an alleged offence to a Board of Discipline is under consideration, or after any such reference has been made, the Director or a person under his authority may suspend the student concerned from all or any specified use of the School facilities pending the decision of the Board of Discipline.

Any order for suspension made pending a decision to refer shall lapse at the end of two weeks and shall not be renewable unless the case is, within that time, referred to a Board of Discipline. Any suspension under this Regulation will not be construed as a penalty, nor will it be reported to a grant-giving body as a penalty.

Student Members of Rules and Regulations Committee

25. The student members of the Rules and Regulations Committee shall be elected annually in the academic year preceding the year of office, which shall commence on 1 August in each year. Nomination of candidates shall be carried out in like manner to the nomination of candidates for the election of the President of the Students' Union. The election shall be by postal ballot and shall be conducted by the Academic Secretary. The President of the Students' Union shall be entitled to nominate a student to observe the conduct of the election.

Student Disciplinary Panel

26. The annual selection of members of the Student Disciplinary Panel shall be made by the Academic Secretary in the academic year preceding the year of office, using a random selection process. In making this selection he shall seek the advice of an Appointed Teacher in Statistics of the University. He shall exclude from the selection students whose courses he anticipates will be completed during the year of selection. He shall notify the persons selected and shall ask them to state in writing whether they agree to serve as members of the Panel. If within fourteen days of this notification any of the persons selected has not given this consent, further selections shall be made in like manner until ten persons have been selected and have agreed to serve. Any casual vacancies that arise during the year of office may be filled by further selection in like manner from the same group of persons.

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The President of the Students' Union shall be entitled to appoint a student to observe the conduct of the selection.

Academic Members of Disciplinary Panel

27. The annual selection of the academic members of the Disciplinary Panel shall be made by the Academic Secretary in the academic year preceding the year of office, using a random selection process. In making this selection he shall seek the advice of an Appointed Teacher in Statistics of the University. He shall exclude from the selection persons who he anticipates will be absent from the School for any period in term time exceeding four weeks during the year of office for which the selection is made. He shall notify the persons selected and shall ask them to state in writing whether they agree to serve as members of the Panel. If within fourteen days of this notification any of the persons selected has not given this consent, the Academic Secretary shall make further selections in like manner until ten persons have been selected and have agreed to serve. Any casual vacancies that arise during the year of office may be filled by further selection in like manner from the same group of persons.

Miscellaneous

28. These Regulations shall come into force on 29 September 1969.

29. The first appointments to and selections for the Disciplinary Panel and the first selection of the Student Disciplinary Panel shall exceptionally be made and held as soon as practicable after 29 September 1969 and the members of each Panel as so constituted shall hold office until 31 July 1970.

30. Any disciplinary proceedings pending on 29 September 1969 and any appeal from any finding or penalty imposed in any disciplinary proceedings which is pending on such date shall, notwithstanding the coming into force of the Regulations, continue to be governed by and in the manner available under the Regulations for Students in force at the time when the pending proceedings or appeal were commenced.

31. Until the first Disciplinary Panel has come into existence a Summary Tribunal shall be duly constituted if its members (other than the student) consist of two members of the academic staff appointed by the person convening the Tribunal, and a Board of Discipline shall be duly constituted if its Chairman has been nominated as laid down in Regulation 22 and its other members (other than students) consist of any four persons appointed by the person convening the Board from the Board of Discipline in existence immediately before these Regulations come into force. If at any time there shall be no duly constituted Student Disciplinary Panel in existence a Summary Tribunal or a Board of Discipline shall be duly constituted if the Tribunal or Board as the case may be has no student members provided that it is otherwise properly constituted. Selection of members of a Summary Tribunal or Board of Discipline under Regulation 19 shall not be invalid only by reason of the fact that at the time of selection the number of members of the Disciplinary Panel or Student Disciplinary Panel is less than that specified in Regulation 16 or 17, as the case may be.

32. Rules and Instructions issued under these Regulations shall be deemed part of the Regulations. All Rules in force immediately before these Regulations come into

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force shall remain valid and shall be deemed part of these Regulations until they have been amended, altered or cancelled under the provisions of Regulation 3.

33. An accidental defect in the constitution of a Summary Tribunal or Board of Discipline shall not invalidate its procedure.

34. Any actions that these Regulations require to be carried out by the Academic Secretary may be carried out by a person acting under his authority. In the absence or incapacity of the Academic Secretary his functions under these Regulations may be exercised by his Deputy or by another person authorised by the Director, and references in these Regulations to the Academic Secretary shall be read to include his Deputy or any such person.

Fees

(The fees stated are those which are applicable to the session 1970-71: they may not be valid thereafter.)

General Notes

1. Composition fees entitle students to:

(a) the use of the Library;

(b) membership of the Students' Union, and, for students working under inter-collegiate arrangements, the use of student common rooms of the other colleges at which they attend.

2. Degree composition fees cover lectures, classes and individual supervision, and also lectures given at other colleges under intercollegiate arrangements.¹ They also cover University registration and examination fees except in the case of *part-time* students registered for higher degrees who must pay University registration and examination fees in addition to the School composition fees.

3. Following the decision of the Government, announced in December 1966, separate fees are payable by overseas students. The definition of overseas students is given on pages 155-6.

4. Students are normally expected to pay fees by the session, but for those who find this difficult, payment by terminal instalments is permitted.²

5. The sessional or terminal fees should be paid in full before the beginning of the session or term to which they relate.² Fees are not returnable, but applications for partial return of fees may be considered in exceptional circumstances. Adequate notice of withdrawal from the School should be given. Students who fail to notify the School of their withdrawal before the opening of term will be liable for the fees for that term.

6. Fees should, as far as possible, be paid by cheque and remitted **by post** to the Accounts Department, Room H402.

7. Cheques should be made payable to the "London School of Economics and Political Science" and should be crossed "A/c. Payee".

8. The School does not issue receipts for payments by cheque unless specially requested.

¹The fees do not cover (a) board and travel costs of vacation field work which is compulsory for students proceeding to the B.Sc. degree in Geography, or to the B.Sc. (Econ.) degree with the special subject Geography, (b) the year's residence abroad normally required for the B.A. degrees in Language Studies, (c) the cost of practical work and fees charged by social work agencies for students reading for School Diplomas in Social Work Studies, Personnel Management and Social Administration.

²If the sessional fee has not been paid by 31 December, students will be charged at the terminal rate.

Fees

Full-time Students	UNITED KINGDOM		OVERSEAS			
	Sessional	Terminal	Continuing ¹		New	
			Sessional	Terminal	Sessional	Terminal
All first degrees	£70	£24	£120	£41	£250	£85
M.Sc., M.A., LL.M.						
One-year course or first year of two-year course	£93	£32	£143	£49	£250	£85
Second year	£60	£21	£110	£38	£250	£85
Ph.D., M.Phil.	£79	£27	£129	£44	£250	£85
Research Fee	£60	£21	£110	£38	£250	£85
Continuation Fee	£20	£7	£70	£24	—	—
Academic Diploma in Social Anthropology	£70	£24	£120	£41	£250	£85
School Diplomas in:						
Social Work Studies						
Personnel Management	£70	£24	£120	£41	£250	£85
Social Administration						
Statistics						
School Diploma in Development Administration	£580	—	£580	—	£580	—
Trade Union Studies	£60	£21	£110	£38	£250	£85
General Course	£100	£34	—	—	£250	£85

Part-time Students	UNITED KINGDOM AND OVERSEAS	
	Sessional	Terminal
B.Sc. (Economics)	£25	£9
LL.B.	£32	£11
Ph.D., M.Phil., M.Sc., LL.M., Research Fee	£40*	£14*
Continuation Fee	£10*	£4*

All the above fees, except those marked with an asterisk, cover University Registration and Examination Fees.

¹i.e. Students who were on full-time or sandwich courses in the U.K. in April 1967 (see page 156). These fees are operative only to the end of the academic year 1970-71.

Fees

Students Registered with the Graduate School

(i) Graduate students undertaking research not leading to a degree, or undertaking studies leading to a higher degree of a university other than London, will be classified as research students and be required to pay the research fee.

(ii) The continuation fee is payable by a higher degree student who has completed his approved course of study, but has been permitted to continue his registration. It entitles him to receive advice from his supervising teacher and to attend one seminar, but not to attend any lecture courses. These arrangements apply to full-time higher degree students who have been registered for three years at full fees, and part-time students who have been registered for four years.

(iii) The fees cover attendance at all such courses at the School as a student may attend and at such courses at other institutions of the University as he may attend on the advice of his teachers and with the approval of the other institutions concerned.

(iv) The fees for the LL.M. degree entitle the student to the advice and guidance of a supervising teacher and attendance at such lecture courses and seminars as are approved by the latter. A student spreading the work for the degree over two sessions may, with the consent of the teacher concerned, repeat a seminar or course already taken.

(v) Part-time students reading for higher degrees are charged non-inclusive tuition fees plus a University registration fee of £5. They pay their own examination fee as follows:

M.A., M.Sc., M.Phil. or LL.M.	£25
Ph.D.	£35

Fees for Occasional Students

Approved students are admitted on payment of appropriate fees, the amounts of which will be quoted on request. For general guidance it may be stated that the fee for most courses is 10s. (50p) per hour. Thus, for example, the fee for a course of ten lectures of one hour each is £5.

Fees for Re-entry to Examinations for School Diplomas

A candidate who, as a registered full-time student, has completed the course of study for a Diploma awarded by the School, but has failed to satisfy the examiners in whole or in part, may apply to re-enter for the examination on payment of the following fees:

- (i) Re-entry for a single subject £2
- (ii) Re-entry for a whole examination £6

Definition of "Overseas Students" for the Purpose of Fees

The following are not regarded as overseas students for the purpose of paying fees:

1. Any student who has been ordinarily resident in the U.K. for at least three years immediately preceding the date his course is, or was, due to begin; a student who has been in the U.K. either at school or at a course of non-advanced further education is regarded as having been ordinarily resident in the U.K. during the period of such attendance.

Fees

2. Any student whose parents have been ordinarily resident in the U.K. for at least three years immediately preceding the date his course is, or was, due to begin.

3. Any student who would have been ordinarily resident in the U.K. for at least three years immediately preceding the date his course is, or was, due to begin had he or his parents not been employed for the time being outside the U.K.

4. Any student aged under 21 at the date his course is, or was, due to begin if he and his parents have been ordinarily resident in the U.K. for at least one year immediately preceding that date.

5. Any student who for at least one year immediately preceding the date his or her course is, or was, due to begin, has been (a) ordinarily resident or on a full-time or sandwich course of higher education in the U.K., and (b) married to a person who has been ordinarily resident in the U.K. for at least three years immediately preceding that date.

All other students are regarded for the purpose of fees as overseas students for the duration of their course, including any student who has attended a full-time or sandwich course of higher education in the U.K. prior to embarking on a course at the School.

Eligibility for the limitation of the fee increase to £50 per annum

For all overseas students who were full-time or sandwich course students in the U.K. on 30 April 1967, the increase in fees to be charged shall be limited to £50 per annum above the fee charged to a home student on the same course, until the end of the academic year 1970-71. Where such an overseas student changes from one course to another, the fee to be charged to him on the new course shall be £50 per annum above the fee charged to a home student on the same course. This will apply whether or not the student changes institutions in changing his course.

Scholarships, Studentships, Exhibitions and Bursaries

The pages immediately following give particulars of the scholarships, studentships, exhibitions and bursaries made available by the School or by other authorities to students studying or hoping to study at the School. They are classified in the following categories:

(a) **Entrance awards**, open to those who seek to enter the School to read for a first degree.

(b) **Undergraduate awards**, open only to students already studying at the School. They are generally awarded either on the results of an Intermediate or Part I degree examination or on the student's record as an undergraduate.

(c) **Graduate awards**, open to graduates who wish to read for a higher degree of the University of London or to undertake research or advanced study.

(d) **Awards for Special Purposes:**

1. The S. H. Bailey Scholarship in International Studies (see page 163).
2. The Scholarship in International Law (see page 163).

Overseas applicants All the awards offered are open to overseas students, and there are some for which only overseas students may compete. One graduate entrance studentship is offered exclusively to students from overseas, on the basis of record only, and without interview. An interview at the School is, however, an essential part of the selection procedure for all other awards offered by the School and overseas candidates cannot be considered unless they are likely to be in England at the time when the selection is being made.

Entrance Scholarships awarded by the School

Candidates for these scholarships must apply separately for admission to the School through the Universities Central Council on Admissions by 15 December.

LEVERHULME ADULT SCHOLARSHIP

One Adult Scholarship, of the value of £100 per annum, will be offered annually by the School.

The regulations for this scholarship are:

1. Candidates must be not less than 23 years of age on 1 October in the year of award.
2. The scholarship shall be open equally to men and women.
3. A student who has already obtained a university degree shall not ordinarily be considered for this scholarship.
4. Candidates may be asked to submit an essay on an approved topic or to take the entrance examination (see page 138). Selected candidates will be interviewed.
5. Candidates must be in a position to comply with the University of London general requirements for admission to a first degree course or must enter for an

Scholarships, Studentships, Exhibitions etc.

examination to enable them to comply with such requirements before 1 October in the year of award.

6. Candidates must have studied one or more subjects systematically since leaving school and must show evidence of promise in their work.

7. The scholarship shall be tenable for one or more years, extension beyond the first year being dependent upon the high standard of progress required of a School Scholar.

8. The successful candidate shall be required to register as a regular student of the School and to pursue a course of full-time study for one of the first degrees in the social sciences.

9. The scholarship shall not be awarded unless there is a candidate of sufficient merit.

Application forms may be obtained from the Senior Assistant Registrar of the School and should be returned not later than 15 December in the year preceding the year of award.

ENTRANCE SCHOLARSHIPS FOR MATHEMATICIANS

Entrance Scholarships have been established with the aid of funds provided by a number of business firms for students who wish to read for the B.Sc. (Econ.) degree and to specialise in Accounting and Finance, Economics (Analytical and Descriptive), Economics and Econometrics, Statistics or Computing; or to read for the B.Sc. degree in Mathematics in the Faculty of Economics. The value of each scholarship will be £550 a year; each scholar will be responsible for paying his own fees.

It is expected that one scholarship will be offered in 1971. In addition, a small number of awards of up to £100 may be offered to supplement local education authority awards. If required, a place in a hall of residence will be reserved for each scholar, though the scholar will, of course, be required to pay the normal hostel fees.

The regulations for these scholarships are:

1. The scholarships shall be open equally to men and women.
2. In making the awards, the School shall have regard to the candidates' school records and their performance in the examination for the General Certificate of Education. Candidates may also be required to attend an interview.
3. Successful candidates must satisfy the general requirements of the University of London before admission. They shall be required to have passed at least one of the Mathematics papers of the General Certificate of Education examination at advanced level in or before the year of award or to hold evidence of similar proficiency in Mathematics.
4. Scholars shall be required to register as full-time students of the School and to proceed to the internal degree of B.Sc. (Econ.) of the University of London and to offer one of the following subjects as their special subject in Part II of the degree examination:

Accounting and Finance
Economics (Analytical and Descriptive)
Economics and Econometrics

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Statistics
Computing

or to read for the B.Sc. degree in Mathematics in the Faculty of Economics.

5. Scholars shall be entitled to the full value of the award. No account shall be taken of the parents' income or of income from any other source.

6. The scholarships shall be tenable for one or more years, extension beyond the first year being dependent upon the high standard of progress required of a School Scholar.

Application forms may be obtained from the Senior Assistant Registrar of the School and should be completed and returned not later than 30 November in the year preceding the year of award.

CHRISTIE EXHIBITION

An exhibition to the value of £40, founded in memory of the late Miss Mary Christie, will be offered for award every other year. The next award will probably be offered in 1970.

The regulations for this exhibition are:

1. Candidates must have attained the age of 20 years or, if a graduate, 21 years by 1 October in the year of award.
2. In making the award the School shall have regard to the candidates' academic records. Candidates may also be asked to attend an interview.
3. Candidates must satisfy the committee as to their need of financial assistance to follow the course prescribed.
4. The holder of the exhibition shall pursue a diploma course in the department of Social Science and Administration at the School.
5. The exhibition shall be tenable for one year.

Candidates need not make special application; they will be considered automatically and the successful candidate will be informed.

Entrance Scholarships and Exhibitions awarded by the University of London and other bodies

LOCH EXHIBITIONS

Two exhibitions to the value of £24 each, founded by a private benefactor in memory of the late Sir Charles Loch of the Charity Organization Society, will be offered for award annually by the University of London.

The regulations for these exhibitions are:

1. Candidates must have attained the age of 20 years or, if a graduate, 21 years by 1 October in the year of award.
2. In making the awards the University shall have regard to the candidates' academic records. Candidates may also be asked to attend an interview.
3. Candidates must satisfy the University as to their need of financial assistance to follow the course prescribed.

Scholarships, Studentships, Exhibitions etc.

4. Holders of the exhibitions shall pursue a diploma course in the department of Social Science and Administration at the School, and if a further year's tenure is granted, a further course in the same department.

5. The exhibitions shall be tenable for one year in the first instance, but may be renewed for a second year.

Candidates need not submit a special application. The Director, on the advice of the convener of the department of Social Science and Administration, will nominate two candidates to the University. Successful candidates will be informed.

AWARDS OFFERED BY LOCAL AUTHORITIES

Local education authorities in England and Wales make awards for university study. Particulars of these may be obtained from education officers of counties or county boroughs. Details of the awards arrangements for first degree and comparable courses are set out in the pamphlet *Grants to Students* No. 1, obtainable from the Department of Education and Science or local education authorities. Students are advised to apply before the end of January in the year in which they hope to begin their studies.

STATE SCHOLARSHIPS FOR MATURE STUDENTS

A limited number, not exceeding 30, of State Scholarships for Mature Students is awarded annually by the Department of Education and Science.

The purpose of the scholarships is to provide opportunities for pursuing studies leading to an honours degree in Liberal Studies to men and women over 25 years of age who were unable to take a university course at the normal age.

Forms of application must be submitted by 15 November of the year before the candidate hopes to start his course of study.

Further particulars may be obtained from the Department of Education and Science (Awards Division), Elizabeth House, 39 York Road, London, S.E.1.

GRANTS FOR DIPLOMA IN SOCIAL WORK STUDIES

A scheme of Government grants is available to assist candidates intending to read for the Diploma in Social Work Studies. Further information about these grants will be given to successful applicants for admission to the course.

ASSOCIATION OF CERTIFIED AND CORPORATE ACCOUNTANTS

The Association of Certified and Corporate Accountants offers a scholarship of a value not exceeding £200 a year for three years or £600 in all during the currency of any one scholarship, to enable the recipient to pursue a course of study for the B.Sc. (Econ.) degree, specialising in Accounting and Finance or some other related subject approved by the Council of the Association, or for a higher degree similarly approved. Applications will be considered from members of the Association or from students who have passed Section I or Section II of the Association's Final Examination. The award may be made for full-time or for part-time study, the value being varied accordingly. Further particulars can be obtained from the Secretary of the Association, 22 Bedford Square, London, WC1B 3HF.

Scholarships, Studentships, Exhibitions etc.

SCHOLARSHIPS IN TRADES UNION STUDIES

The Trades Union Congress Educational Trust offers for award a number of scholarships and bursaries for full-time students for a one-year course in Trades Union Studies. Applicants for these scholarships must be members of organizations affiliated to the Trades Union Congress.

Further information may be obtained from the Secretary, T.U.C. Educational Trust, Congress House, Great Russell Street, London, WC1B 3LS.

Scholarships awarded during Undergraduate Career by the School

UNDERGRADUATE SCHOLARSHIPS

At least three Undergraduate Scholarships of the value of £50 a year may be offered by the School annually.

The regulations for these scholarships are:

1. Candidates must have completed not less than one year of a first degree course at the School.
2. The scholarships shall be awarded on the quality of the candidates' work at the School. Candidates may be required to attend an interview. These scholarships shall be awarded only if there are candidates of sufficient merit.
3. The scholarships shall be tenable for one or more years, extension beyond the first year being dependent upon the high standard of progress required of a School Scholar.
4. The scholarships shall be awarded in October of each year.
Applications should be made by letter to the Senior Assistant Registrar by 31 July.

THE C. S. MACTAGGART SCHOLARSHIPS

Three C. S. Mactaggart Scholarships of the value of £100 a year may be offered for award annually by the School.

The regulations for these scholarships are:

1. Students of the School reading for the B.Sc. (Econ.) degree shall be eligible; preference will be given to older students.
2. Candidates must have passed Part I of the B.Sc. (Econ.) degree examination.
3. The scholarships shall be awarded on the quality of the candidates' work at the School. Candidates may be required to attend an interview. The scholarships shall be awarded only if there are candidates of sufficient merit.
4. The scholarships shall be tenable for one or more years, extension beyond the first year being dependent upon the high standard of progress required of a School Scholar.
5. The scholarships shall be awarded in October of each year.
Applications should be made by letter to the Senior Assistant Registrar by 31 July.

CHARTERED INSTITUTE OF SECRETARIES SCHOLARSHIP

The Chartered Institute of Secretaries has established an undergraduate scholarship open to students of the School registered for the LL.B. or B.Sc. (Econ.) degree. The value of the award may be either £50 for each of two years, or £100 for the final year of the degree course.

The regulations for this scholarship are:

1. Students of the School who have passed Part I of the B.Sc. (Econ.) examination or the Intermediate Examination of Laws shall be eligible.
2. The scholarship shall be awarded on the quality of the candidates' work at the School. Candidates may also be required to attend an interview.
3. The scholarship may be tenable for one or two years. In the case of a two-year tenure, extension beyond the first year shall be dependent upon the high standard of progress required of a School scholar.
4. The scholarship shall be awarded in October of each year, provided that a candidate of sufficient merit presents himself.

Applications should be made by letter to the Senior Assistant Registrar by 31 July.

HAROLD LASKI SCHOLARSHIP

A scholarship in memory of Professor Harold Laski will be offered for award annually to second and third-year undergraduate students working within the Government department. It will be awarded to the student who, in the opinion of the convener of the department, has written the best essay during the current session. Essays will be submitted through tutors within the department by the beginning of the Summer term.

The value of the scholarship will be the income of the fund for the preceding year and will normally be about £50.

Undergraduates will be considered automatically and the successful candidate will be informed. An award will be made only if there is a candidate of sufficient merit.

LILIAN KNOWLES SCHOLARSHIP

An undergraduate scholarship will be offered by the School annually. The value of this scholarship will be the income of the fund for the preceding year and will normally be about £45.

The regulations for this scholarship are:

1. It shall be awarded on the results of Part I of the B.Sc. (Econ.) examination to the student of the School intending to offer Economic History Modern, or Economic History Mediaeval, as his special subject in Part II of the examination and achieving the best results among such students in Part I of the examination as a whole. An award shall be made only if there is a candidate of sufficient merit.
2. The scholarship shall be tenable for one year.
3. The scholarship shall be awarded at the end of the Summer term in each year.

Candidates need not make special application; they will be considered automatically and the successful candidate will be informed.

S. H. BAILEY SCHOLARSHIP IN INTERNATIONAL STUDIES

The School will offer for award annually the S. H. Bailey Scholarship in commemoration of the service to the School and to International Studies of the late S. H. Bailey. The scholarship will be of the value of £50.

The regulations for this scholarship are:

1. The scholarship shall be open equally to men and women.
2. The scholarship shall be open to all regular students of the School, but normally preference will be given to a student whose course at the School has included the study of International Relations.
3. The scholarship shall be awarded to enable the successful student to attend a session at the Academy of International Law at The Hague or in any other institute of international study or to gain experience of some suitable international organization on a plan to be approved by the Director.
4. The scholarship shall be awarded only if there is a candidate of sufficient merit.

Candidates should make written application to the Senior Assistant Registrar before 1 May in the year of award.

SCHOLARSHIP IN INTERNATIONAL LAW

The School will offer for award annually a scholarship in International Law; it will be of the value of £50.

The regulations for this scholarship are:

1. The scholarship shall be open equally to men and women.
2. The scholarship shall be open to all regular students of the School.
3. The scholarship shall be awarded to enable the successful candidate to attend a session at the Academy of International Law at The Hague.
4. The scholarship shall be awarded only if there is a candidate of sufficient merit.

Candidates should make written application to the Senior Assistant Registrar before 1 May in the year of award.

SPECIAL BURSARIES FOR STUDENTS READING FOR FIRST DEGREES AND FOR DIPLOMAS

The School may offer a limited number of bursaries to assist full-time students reading for first degrees or for diplomas. The maximum amount of the bursary will be equivalent to the fees, at the U.K. rate, which the student would otherwise be required to pay.

The regulations for these bursaries are:

1. Bursaries may be awarded to students who have normally completed at least one year of study, who can demonstrate financial need and whose academic record shows merit.
2. Holders of bursaries shall be required to follow a first degree or diploma course at the School.
3. Each bursary shall be awarded for one year in the first instance.
4. Applications should be accompanied by:
 - (a) a full statement of the candidate's financial position showing clearly why he is unable to pursue his studies without financial assistance;
 - (b) a letter of recommendation from his tutor.

Application forms may be obtained from the Senior Assistant Registrar of the School.

Scholarships, Studentships, Exhibitions etc.

Scholarships awarded during Undergraduate Career by the University of London and other bodies

BRYCE MEMORIAL SCHOLARSHIP

The Clothworkers' Company offers annually, until further notice, in memory of the late Lord Bryce, a Bryce Memorial Scholarship in History or in Laws of the value of about £80.

The regulations for this scholarship are:

1. Candidates must be internal students of the University.
2. Candidates must have completed the first year of a course as internal students of the University, and must be about to commence the second year of a course leading to the B.A. degree in History or to the LL.B. degree.
3. The scholarship will be tenable for one year.

No application is required. The Director will nominate candidates, who will be told when their names have been submitted.

CLOTHWORKERS' COMPANY'S EXHIBITIONS

The Clothworkers' Company has established two annual exhibitions of the value of about £40 a year.

The regulations for these exhibitions are:

1. The exhibitions are restricted to internal students (men), who must be prepared to take an honours degree and/or to take Holy Orders in the Church of England. Preference will be given to applicants intending to take Holy Orders, but the exhibitions are open to any candidate who is proceeding to an honours degree. (Candidates for the LL.B. degree must have passed the Intermediate examination in Laws.)
2. The exhibitions will be tenable for two years.
3. They will be available during the second and third years of the degree course.
4. Applicants' financial circumstances may be taken into account.

No application is required. The Director will nominate candidates, who will be told when their names have been submitted.

METCALFE SCHOLARSHIP

A scholarship, founded under the will of Miss Agnes Edith Metcalfe, is awarded annually by the University of London, provided a candidate of sufficient merit presents herself. The value of the scholarship is £40 per annum.

The regulations for this scholarship are:

1. Candidates must be women students who have passed the examination for Part I of the B.Sc. (Econ.) degree.
2. The successful candidate will be required to work as a full-time student of the School for the B.Sc. (Econ.) degree.
3. The scholarship will be tenable for one year.

No application is required. Students selected for interview will be informed.

Scholarships, Studentships, Exhibitions etc.

STERN SCHOLARSHIPS IN COMMERCE

Two Sir Edward Stern Scholarships each of the value of £40 (at present supplemented to £100), will be awarded annually in October.

The regulations for these scholarships are:

The scholarships will be awarded on the results of Part I of the B.Sc. (Econ.) examination to students proposing to take a subject of commercial interest, e.g. Industry and Trade, Accounting and Finance, Monetary Economics or appropriate subjects in Economics (Analytical and Descriptive) as the special subject in Part II of the examination.

No application is required. Students selected for interview will be informed.

GRAHAM WALLAS MEMORIAL SCHOLARSHIP

A Graham Wallas Memorial Scholarship, founded by friends of the late Professor Graham Wallas for the encouragement of studies in his particular field of learning, will be offered for award in 1972. The scholarship will be of the value of £40 a year.

The regulations for this scholarship are:

1. The scholarship is open to any student working as an internal student of the University for the B.Sc. (Econ.) (with the special subject of Government or Sociology), the B.Sc. (Sociology), the B.A. degree in Sociology, or the B.A. degree in Psychology or the B.Sc. degree in the Faculty of Science with main field Psychology, or the B.Sc. degree in Social Psychology in the Faculty of Economics, and who has completed satisfactorily one year of the course for the relevant degree in the University.

2. The scholarship will be tenable in the first instance for one year, but may be renewed on application.

Applications for the scholarship on a prescribed form, addressed to the Secretary of the Scholarships Committee, University of London, Senate House, WC1E 7HU, and accompanied by the names and addresses of not more than two referees must reach the University not later than 1 September in the year of award.

Scholarships and Studentships for Graduate Work awarded by the School

Note for overseas students The attention of students from overseas is particularly directed to the conditions of award for graduate studentships offered by the School. The awards are not made until the beginning of the session for which they are offered and, save in the case of the Leverhulme Graduate Entrance Studentship for Overseas Students, final selection is by competitive interview at the School. Competition for the studentships is keen, and students from overseas should not come to the School in the expectation of securing an award. They should have sufficient resources to maintain themselves during their course of study.

GRADUATE STUDENTSHIPS IN ECONOMICS¹

Graduate Studentships will be offered for full-time advanced study in Economics, widely interpreted. These studentships are intended to enable recent graduates to spend at least a year in the Graduate School in organized courses or supervised research.

The regulations for these studentships are:

1. They shall be open primarily to graduates of United Kingdom universities with first or good second class honours degrees in Economics, or other appropriate subjects, who obtain such degrees in the year of award.
2. Each studentship shall be tenable for one year in the first instance, but may in a limited number of cases be extended for not more than two further years.
3. Each studentship shall be of the value of £750 a year in the first year, together with all appropriate fees. The value of the studentship may be increased if it is renewed for a second or third year.
4. Each holder of a studentship shall be required to register as a full-time student in the Graduate School and to follow a prescribed course of study or undertake approved research.
5. The holder of a studentship shall undertake no paid employment without the permission of the Director. Appropriate deductions will normally be made from the value of the studentship in any case where the total income from all other sources exceeds £250 per annum.

Applications should be made by letter to the *Secretary of the Graduate School* by 1 March.

Those who have already applied for admission to the School for the M.Sc. in Economics and have stated on their application form that they wish to be considered for one of these awards need take no further action.

STUDENTSHIPS IN THE ECONOMICS, ECONOMIC GEOGRAPHY OR ECONOMIC HISTORY OF LATIN AMERICA

One or more studentships will be offered for full-time advanced study in the Economics, Economic Geography or Economic History of Latin America.

The regulations for these studentships are:

1. The studentships shall be open to men and women graduates with good Honours degrees in Economics, in relevant aspects of Geography, History or Economic History, or to those who, before October in the year of the award, obtain such degrees.
2. Studentships shall be tenable for one year in the first instance, but may be extended for not more than two further years.
3. Studentships shall be of the value of £750 a year, together with all appropriate fees. The cost of any travel in Latin America approved by the Director may also be provided.
4. Holders of these studentships shall be required to register at the School as full-

¹'Economics' may be interpreted to include Statistics in relation to Economics, Econometrics, Operational Research, parts of Accounting and certain aspects of Economic Geography, Economic History and Industrial Relations.

time students and undertake research in the Economics, Economic Geography or Economic History of Latin America, or advanced work preparatory to such research. Programmes of work will require the approval of the Director.

5. Holders of these studentships shall undertake no paid employment without the permission of the Director and, whenever this is given, appropriate deductions will normally be made from the value of the studentships in any case where the total income from all other sources exceeds £250 per annum.

Each candidate for an award should apply by letter giving his age and full particulars of his education and qualifications. He should indicate in outline his proposed scheme of research or course of study unless this information has already been sent to the School. He should give the names of two referees.

Applications should be received by 7 June 1971 for awards tenable from the following October and should be addressed to the Secretary of the Graduate School.

GRADUATE STUDENTSHIPS

Two Graduate Studentships may be offered annually for graduate work in the social sciences.

The regulations for these studentships are:

1. They shall be open to graduates of any university.
 2. Each studentship shall be of the value of £500 a year together with tuition fees.
 3. Successful candidates shall be required to register as full-time students of the School and to obtain the approval of the Director for the advanced study or research which they propose to undertake.
 4. The holder of a studentship shall undertake no paid employment without the permission of the Director. Appropriate deductions will normally be made from the value of the studentship in any case where the total income from all other sources exceeds £250 per annum.
 5. Each studentship shall be tenable for one year in the first instance, but may be renewed for a second year subject to satisfactory progress.
 6. Awards shall be made only if there are candidates of sufficient merit.
- Applications should be made on a form obtainable from the Secretary of the Graduate School, to whom it must be returned by 1 September. Candidates should submit an outline of their proposed programme of advanced study or research and are also invited to send original work, either published or in typescript, in support of their application. They should also submit the names of two referees.

LEVERHULME RESEARCH STUDENTSHIPS

Two Leverhulme Research Studentships may be offered annually for graduate work in the social sciences.

The regulations for these studentships are:

1. They shall be open to graduates of any university.
2. Each studentship shall be of the value of £500 a year together with tuition fees.
3. Successful candidates shall be required to register as full-time students of the School and to obtain the approval of the Director for the advanced study or research which they propose to undertake.

Scholarships, Studentships, Exhibitions etc.

4. The holder of a studentship shall undertake no paid employment without the permission of the Director. Appropriate deductions will normally be made from the value of the studentship in any case where the total income from all other sources exceeds £250 per annum.
5. Each studentship shall be tenable for one year only.
6. Awards shall be made only if there are candidates of sufficient merit.

Applications should be made on a form obtainable from the Secretary of the Graduate School, to whom it must be returned by 1 September. Candidates should submit an outline of their proposed programme of advanced study or research and are also invited to send original work, either published or in typescript, in support of their application. They should also submit the names of two referees.

LEVERHULME GRADUATE ENTRANCE STUDENTSHIP FOR OVERSEAS STUDENTS

One Graduate Studentship for overseas (excluding Commonwealth) students may be offered annually for graduate work in the social sciences.

The regulations for this studentship are:

1. It shall be open to men and women who are graduates of an overseas university or who expect to become graduates of such a university before October in the year of award.
2. No person who is or who has been a student of the School shall normally be eligible.
3. The studentship shall be of the value of £500 a year together with tuition fees.
4. The successful candidate shall be required to register as a full-time student of the School and to obtain the approval of the Director for the advanced study or research which he proposes to undertake.
5. The holder of the studentship shall undertake no paid employment without the permission of the Director. Appropriate deductions will normally be made from the value of the studentship in any case where the total income from all other sources exceeds £250 per annum.
6. The studentship shall be tenable for one year in the first instance, but may be renewed for a second year subject to satisfactory progress.
7. An award shall be made only if there is a candidate of sufficient merit.

Applications should be made by letter, which should reach the Secretary of the Graduate School by 30 April. Candidates should submit an outline of their proposed programme of study or research and are also invited to send original work, either published or in typescript, in support of their application unless this information has already been sent to the School. They should give the names of two persons whom they should ask to write direct to the Secretary of the Graduate School to report on their suitability for the award. Candidates are responsible for seeing that these letters are sent in support of their application.

LEVERHULME RESEARCH STUDENTSHIP FOR OVERSEAS STUDENTS

A Graduate Studentship will be offered annually to enable an overseas (excluding Commonwealth) student to continue with full-time graduate work at the School leading to a higher degree of the University of London.

Scholarships, Studentships, Exhibitions etc.

The regulations for this studentship are:

1. The award shall be restricted to students who are not graduates of the University of London and who have been registered at the School as graduate students throughout the session previous to that in which they wish to hold the award.
2. The studentship shall be of the value of £500 a year together with tuition fees.
3. The successful candidate shall be required to continue as a full-time graduate student of the School.
4. The holder of the studentship shall undertake no paid employment without the permission of the Director. Appropriate deductions will normally be made from the value of the studentship in any case where the total income from all other sources exceeds £250 per annum.
5. The award shall be tenable for one year only.
6. An award shall be made only if there is a candidate of sufficient merit.

An announcement concerning the award will appear on the scholarships notice-board in the School at the beginning of the Summer term. Applications must be made by letter addressed to the Secretary of the Graduate School.

THE JACKSON LEWIS SCHOLARSHIP

The Jackson Lewis Scholarship, founded under the will of Mr. H. L. Jackson, a former student, will be offered every other year to enable the holder to undertake graduate work in the social sciences.

The regulations for this scholarship are:

1. It shall be open to graduates of any university.
2. The scholarship shall be of the value of at least £300 a year.
3. The successful candidate shall be required to register as a full-time student of the School and to obtain the approval of the Director for the advanced study or research which he proposes to undertake.
4. The holder of the scholarship shall undertake no paid employment without the permission of the Director. Appropriate deductions will normally be made from the value of the studentship in any case where the total income from all other sources exceeds £250 per annum.
5. Subject to satisfactory progress the scholarship shall normally be tenable for two years.
6. An award shall be made only if there is a candidate of sufficient merit.

Applications should be made by letter addressed to the Secretary of the Graduate School by 1 September. Candidates should submit an outline of their proposed programme of study or research and are also invited to send original work, either published or in typescript, in support of their application. They should also submit the names of two referees.

GREEK SHIPOWNERS' STUDENTSHIPS FOR GRADUATE STUDENTS

Studentships have been established with the aid of funds provided by a number of Greek shipping firms.

Each candidate for an award should apply by letter giving his age and full particulars of his education and qualifications. He should state why he wishes to obtain

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an award and what benefit he hopes to derive from it, and he should supply details of his proposed scheme of research or course of study, unless this information has already been sent to the School. He should give the names of two referees. He should also state whether he holds any other award and the value of it.

Applications must be received by 1 September for awards tenable from the following October and should be sent to the Secretary of the Graduate School.

MONTAGUE BURTON STUDENTSHIPS IN INTERNATIONAL RELATIONS

The School offers annually one or more graduate studentships, each of the value of £40, to enable the holders to pursue research, or to read for a higher degree in International Relations under the direction of the Montague Burton Professor of International Relations.

The regulations for these studentships are:

1. The awards shall be open to graduates in the Humanities or the Social Sciences of any university.
2. Applicants need not necessarily have any formal grounding in any particular branch of International Studies.
3. In awarding the studentships the School shall have regard to the desire of those who founded this endowment by giving preference to those students who wish to qualify themselves for university teaching in International Relations, the subject in which the Montague Burton Professorship was established.
4. The awards shall be tenable for up to two years.
5. In exceptional circumstances, the School may grant a maintenance allowance to the holder of one of these studentships.
6. The holder of a studentship shall undertake no paid employment without the permission of the Director. Appropriate deductions will normally be made from the value of the studentship in any case where the total income from all other sources exceeds £250 per annum.

Applications for the awards should be made on a form which can be obtained from the Secretary of the Graduate School and must be returned to her by 1 September.

GRADUATE STUDENTSHIPS IN INTERNATIONAL STUDIES

With the aid of a grant from the Ford Foundation to the Centre for International Studies, a number of Graduate Studentships is offered annually to enable the holders to read for a higher degree at the School in the field of International Studies, and especially on some aspect of contemporary China or the Soviet Union or Eastern Europe. The term International Studies in this context includes the study of the politics, economics, law, social structure or modern history of a single country or group of countries in the areas listed, as well as the relationships between these areas and other parts of the world. Some preference will be given to applicants intending to make their career in International Studies, particularly in university teaching.

The regulations for these studentships are:

1. They shall be open to graduates of any university with a first class or high second class honours degree in the Humanities or the Social Sciences (particularly Economics, History, International Relations or Politics).

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2. The studentships shall be tenable for one year in the first instance, but they will normally be renewable for at least a further two years, subject to satisfactory progress.

3. Each studentship shall be of the value of £750 a year together with all appropriate fees.

4. Each holder of a studentship shall be required to register as a full-time student of the School and to follow a prescribed course of study or to undertake approved research.

5. The holder of a studentship shall undertake no paid employment without the permission of the Director. Appropriate deductions will normally be made from the value of the studentship in any case where the total income from all other sources exceeds £250 per annum.

6. Awards shall be made only if there are candidates of sufficient merit.

Applications should be made by letter, giving full particulars of the applicant's qualifications, a general indication of the field of advanced study or research in which the applicant is interested, and the names of two referees, and should reach the Secretary of the Graduate School by 28 February in the year of award.

Only a formal letter of application is necessary from students who have already applied to, or been accepted by, the Graduate School.

NOEL BUXTON STUDENTSHIP IN INTERNATIONAL RELATIONS

With the aid of a grant provided by the Noel Buxton Trust, a Research Studentship in International Relations tenable at the London School of Economics and Political Science has been established for a limited period.

The regulations for the studentship are:

1. It shall be open to men and women who are graduates of a university.
2. The field for research or study shall be any subject calculated to promote the better understanding of the problems of international peace and security (including disarmament). Some preference, however, may be given to subjects associated with one or other of the more urgent international problems of the day.
3. The holder of the studentship shall be required to follow an approved course of study or research in the field defined in regulation 2, whether leading to a higher degree or not.
4. The value of each studentship shall not exceed £1,000 a year. It shall normally be held for a period of not less than two years at a time.
5. The holder of a studentship shall undertake no paid employment without the permission of the Director. Appropriate deductions will normally be made from the value of the studentship in any case where the total income from all other sources exceeds £250 per annum.

Applications for the studentship, which should be in writing, must give full particulars of the applicant's career and of his interest in the relevant field of study and must be received by the Secretary of the Graduate School by 28 February in the year of the award. The names of two referees should be given.

(In exceptional circumstances applications may be considered from candidates who expect to graduate before October in the year of award.)

Scholarships, Studentships, Exhibitions etc.

HUTCHINS STUDENTSHIP FOR WOMEN

A studentship is offered for award every third year to women students. Its value will be the income of the Hutchins Fund for three years preceding the date of the award, and will normally be about £320. It is intended to promote the execution of definite pieces of original work preferably in Economic History, or if no suitable candidate is forthcoming in that field, in some branch of Social Science. The next studentship may be offered in 1970.

The regulations for this studentship are:

1. The studentship shall be open to women students who are graduates or possess the necessary qualifications to undertake research.
2. The subject of research shall be approved by the Director of the School.
3. Each holder of the studentship shall be required to register as a full-time student of the School and shall undertake no paid employment without the permission of the Director. Appropriate deductions will normally be made from the value of the studentship in any case where the total income from all other sources exceeds £250 per annum.
4. The studentship shall be tenable for one year only.

Applications should be made on the prescribed form which can be obtained from the Secretary of the Graduate School. The closing date for entry is 1 September in the year of award.

EILEEN POWER STUDENTSHIP

An Eileen Power Studentship in social and economic history, founded by the friends of the late Professor Eileen Power, will be awarded every second or fourth year until further notice. The studentship, which is designed for students of graduate standing, may next be offered for award in 1971. It is not conditional upon registration for a higher degree. The studentship is of the value of at least £650, and is tenable with other emoluments. In years in which the full studentship is not awarded, applications for grants may be considered.

The regulations for this studentship are:

1. The student shall be elected by a selection committee appointed by the Committee of Management.
2. The studentship shall be open equally to men and women.
3. The studentship shall be tenable from October of the year of award for one year.
4. Candidates for the studentship must submit with their applications full particulars of their qualifications, the names of two referees and a brief scheme of study of some subject in social or economic history which might include the study of the economic or social history of some country other than the country of their usual residence.
5. If a student registered at the School holds this studentship he shall undertake no paid employment without the permission of the Director. Appropriate deductions will normally be made from the value of the studentship in any case where the total income from all other sources exceeds £250 per annum.

When the studentship has been advertised application should be made by letter addressed to the Secretary of the Graduate School. There are no special application forms.

Scholarships, Studentships, Exhibitions etc.

REES JEFFREYS STUDENTSHIP IN TRANSPORT

The School will offer for award annually one studentship in Transport provided in part from funds from an endowment created for the purposes of the studentship by the late Mr. Rees Jeffreys and in part by the trustees of the Rees Jeffreys Road Fund.

The regulations for this studentship are as follows:

1. It shall be open both to men and women who are graduates of a university; and also to persons who are or have been engaged in the operation or administration of transport, the construction of transport facilities or the manufacture of transport equipment.
2. The field for research or study shall be in subjects relating to the economics of transport, and to the balanced development of the various forms of transport.
3. The holder of the studentship shall be required to register at the School as a full-time student and to undertake advanced study or research; his programme of work must have the approval of the Director.
4. The value of the studentship shall not exceed £750 a year.
5. The holder of a studentship shall undertake no paid employment without the permission of the Director. Appropriate deductions will normally be made from the value of the studentship in any case where the total income from all other sources exceeds £250 per annum.
6. The studentship shall be tenable at the School for one year in the first instance, but can in appropriate circumstances be renewed for a second year.

Applications for the studentship should be made on a form which can be obtained from the Secretary of the Graduate School and must be returned to her by 31 May.

ACWORTH SCHOLARSHIP

(This scholarship may be held in addition to other awards.)

An Acworth Scholarship of the approximate value of £90 a year will be offered for award by the School for graduate work relating to inland transport subjects.

The regulations for this scholarship are:

1. The scholarship shall be open to graduates of any university.
2. The successful candidate shall be required to register as a graduate student of the School and to obtain the approval of the Director for the advanced study or research which he proposes to undertake.
3. The holder of a studentship shall undertake no paid employment without the permission of the Director. Appropriate deductions will normally be made from the value of the studentship in any case where the total income from all other sources exceeds £250 per annum.
4. The scholarship shall be tenable for one year in the first instance, but may be renewed.
5. An award shall be made only if there is a candidate of sufficient merit.

Applications should be made on a form obtainable from the Secretary of the Graduate School, to whom it must be returned by 1 September, together with the names of two referees. Candidates should submit an outline of their proposed programme of study or research and are also invited to send original work, either published or in typescript, in support of their application.

ROSEBERY STUDENTSHIP

(This studentship may be held in addition to other awards.)

A Rosebery Studentship of the value of £100 a year will be offered for award by the School for graduate work in the social sciences. Preference will be given to candidates including some aspect of transport in their studies.

The regulations for this studentship are:

1. The studentship shall be open to graduates of any university.
2. The successful candidate shall be required to register as a graduate student of the School and to obtain the approval of the Director for the advanced study or research which he proposes to undertake.
3. The holder of a studentship shall undertake no paid employment without the permission of the Director. Appropriate deductions will normally be made from the value of the studentship in any case where the total income from all other sources exceeds £250 per annum.
4. The studentship shall be tenable for one year in the first instance, but may be renewed.
5. An award shall be made only if there is a candidate of sufficient merit.

Applications should be made on a form obtainable from the Secretary of the Graduate School, to whom it must be returned by 1 September, together with the names of two referees. Candidates should submit an outline of their proposed programme of study or research and are also invited to send original work, either published or in typescript, in support of their application.

S. H. BAILEY SCHOLARSHIP IN INTERNATIONAL STUDIES

(See page 163.)

SCHOLARSHIP IN INTERNATIONAL LAW

(See page 163.)

BURSARIES FOR GRADUATE STUDENTS

The School may offer a limited number of bursaries to assist graduate students to proceed with advanced study or research. The maximum amount of each bursary will be equivalent to the fees at the U.K. rate which the student would otherwise be required to pay.

The regulations for these bursaries are:

1. Bursaries may be awarded to students who have normally completed at least one year of advanced work at the School, who can demonstrate financial need and whose academic record shows merit.
2. They shall be open equally to day and evening students.
3. The successful candidate shall follow a course of advanced study or research approved by the Director.
4. Each bursary shall be awarded for one year in the first instance.
5. Applications should be accompanied by a full statement of the candidate's financial position showing clearly why he is unable to pursue his studies without financial assistance.

Applications should be made on the prescribed form which can be obtained from the Secretary of the Graduate School.

Scholarships and Studentships for Graduate Work awarded by the University of London and other bodies

STATE STUDENTSHIPS

The Department of Education and Science offers Major State Studentships and State Studentships for research or advanced study in the Humanities.¹ The awards are open to graduates of British universities or students of such universities expecting to graduate; or to holders of a degree of the Council for National Academic Awards or students expecting to obtain such a degree. Candidates who are proceeding to graduate studies immediately after undergraduate studies, must have been ordinarily resident in England or Wales for at least three years immediately preceding the start of the undergraduate studies.² They have at present a maximum value for at least 44 weeks' full-time study in a year of £530 (or £410 if the student lives at home), plus tuition and examination fees. The maintenance grant will be awarded without reference to the income of the student's parents.

The awards are made by the Department of Education and Science each summer on the basis of recommendations made by British universities during the Lent term. Students of the School who wish to undertake graduate work with the aid of state studentships of either kind should apply to the Senior Assistant Registrar by a date in the Lent term which will be announced on the scholarships notice-board in the main entrance hall of the School. Every student seeking nomination must be supported by two sponsors, normally members of the teaching staff.

Students may not apply direct to the Department of Education and Science.

SOCIAL SCIENCE RESEARCH COUNCIL ADVANCED COURSE AND RESEARCH STUDENTSHIPS

The Social Science Research Council offers Research Studentships and Advanced Course Studentships for research or advanced study in the Social Sciences. For the purposes of these awards the Social Sciences are defined as the following subjects:

Accountancy	International Relations
Anthropology	Political Science
Demography	Regional Planning
Economics	Social Psychology
Econometrics	⁴ Social Administration
Economic and Social History	Sociology
³ Human Geography	Social Statistics
Industrial Relations	

Generally, applicants for S.S.R.C. Studentships or their parents must have been ordinarily resident in Great Britain for at least three years immediately preceding the start of postgraduate studies, hold a second class (upper division) honour.

¹Students wishing to do graduate work at the School in History (excluding Economic and Social History), Language Studies, Law or Philosophy should apply for a State, or Major State Studentship.

²In other cases, students must have been ordinarily resident in England or Wales for at least three years immediately preceding the start of the graduate studies, ignoring for this purpose any period spent on the undergraduate studies.

³Excluding Cartography and Physical Geography.

⁴Excluding Option B.

Scholarships, Studentships, Exhibitions etc.

degree and be under 27 years of age on 1 October in the year of application. If neither parent has been so resident, the three-year period must exclude any period of full-time education. Non-British subjects must also be graduates of a university in the United Kingdom. Candidates must be nominated for an award by the authority of the college at which the award is to be held.

SCIENCE RESEARCH COUNCIL ADVANCED COURSE AND RESEARCH STUDENTSHIPS

The Science Research Council includes the following subjects among those it recognises for its Advanced Course and Research Studentships:

Operational Research
Statistics

Generally, applicants for S.R.C. Studentships should be citizens of the United Kingdom or Colonies, or Commonwealth citizens who are normally resident in Great Britain and whose parents are normally resident in Great Britain. They should hold a good second class honours degree and be under 27 years of age on 1 October in the year of application.

The School will be given quotas of awards at the end of April or the beginning of May and will then be able to put forward applications to both these bodies for consideration. Confirmation of the awards will not be given by the S.S.R.C. or the S.R.C. until the degree results are known. Students who would like to obtain one of these studentships should state that they wish to do so when applying to the Secretary of the Graduate School for admission.

Students cannot apply direct to the S.S.R.C. or to the S.R.C.

METCALFE STUDENTSHIP

A studentship, founded under the will of Miss Agnes Edith Metcalfe, is awarded annually by the University, provided a candidate of sufficient merit presents herself. Until further notice the value of the studentship will be not less than £120 in the case of a full-time student, and not less than £60 in the case of a part-time student. Candidates who do not know the result of their degree examinations may make provisional application.

The regulations for this studentship are:

1. The studentship is tenable at the School and is open to any woman who has graduated in any university of the United Kingdom.
2. The successful candidate will be required to register as a student of the School and undertake research in some social, economic or industrial problem to be approved by the University. Preference will be given to a student who proposes to study a problem bearing on the welfare of women.
3. The studentship is tenable for one year in the first instance, but may be renewed for a second year.

Applications must be received not later than 24 May in the year of award, by the Secretary of the Scholarships Committee, University of London, WC1E 7HU, from whom further particulars and application forms may be obtained.

Scholarships, Studentships, Exhibitions etc.

LEON FELLOWSHIP

1. The Leon Fellowship has been founded under the will of Mr. Arthur Lewis Leon for the promotion of postgraduate or advanced research work in any subject, but preferably in the fields of Economics or Education. The fund will be administered by the Leon Bequest Committee, hereinafter referred to as the Committee.

2. The following provisions are fundamental in the management of the fund:

(a) No qualifications or conditions of religious, political or economic opinions, party or creed, or of race or nationality, sex or marriage shall be attached to the grant or holding of any studentship or fellowship or the receipt of any grant or stipend.

(b) No part of the income of the Trust fund shall be applied in payment of the costs of the printing and publication of reports and such like matters (other than such reports or accounts as are hereby expressly provided for and the reports or treatises of any holder of any studentship or fellowship or recipient of any grant or stipend).

(c) The benefits of the Trust fund shall be open equally to men and women without limit of age whether or not they are members or graduates of any university and shall not be confined to residents within the Administrative County of London or within the appointed radius of the University.

3. The fellowship will be of the value of not less than £1,200 a year and will be awarded from time to time as advertised in the public press. The award will be made for one year in the first instance, but may be renewed for a second year.

4. Candidates for the fellowship need not be members or graduates of a University, but must be in possession of qualifications which would enable them to undertake research of the kind indicated in section 1 above.

5. Candidates must submit a scheme of work for the consideration of the Committee; selected candidates may be required to attend at the University for an interview with the Committee.

6. Applications, of which *ten* copies must be supplied, must be typewritten, and made in the following form:

(a) Name in full; age; address; present occupation

(b) Qualifications for research and titles of any published work

(c) Short particulars of education and previous career

(d) Nature of proposed research

(e) Grants received, if any, for same object

(f) Place where it is proposed to carry out the research

(g) Names and addresses of not more than two persons to whom reference may be made

(h) Any additional information which the candidate may desire to give in support of his application, in as short a form as possible.

7. The fellowship will be awarded by the Committee, who may obtain the assistance of such assessors as they consider necessary.

8. The amount of the fellowship will be paid in instalments at such times as may be decided in each case, each instalment (with the exception of the first, which will be paid in advance) being payable only on receipt by the Committee of evidence that the holder of the fellowship is satisfactorily pursuing his research.

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9. The Fellow will be required at the expiration of the tenure of the fellowship to make a report to the Committee, and all published papers containing the results of researches carried out with the aid of the fellowship shall include a statement to the effect that the author is a Leon Fellow of the University of London.

10. Applications must be received by the Principal of the University on or before 1 February in the year of the award.

Note. Applicants for the Leon Fellowship should note that ten copies of *all* documents are required, including the scheme of work.

INSTITUTE OF COMMONWEALTH STUDIES
JUNIOR RESEARCH FELLOWSHIPS

1. The Institute offers the Henry Charles Chapman Junior Research Fellowship and the Dame Lillian Penson Junior Research Fellowship in Commonwealth Studies for research relating to the history, or to the contemporary social, economic, or political problems of the Commonwealth or any overseas part of it.

2. The annual value of the Junior Research Fellowship will be in the range £650-£850. In addition, University of London tuition fees may in some cases be paid where these fees have not otherwise been provided for.

3. The fellowships will normally be awarded to graduates of at least one year's standing of any university of the United Kingdom or elsewhere in the Commonwealth. Only graduates of at least two years' standing can be considered for a fellowship of annual value higher than £650. Each fellowship will be tenable for one year, with the possibility of renewal for a second year. Holders of the fellowships, unless already registered for a higher degree in the University of London, will normally be required to register for such a degree.

4. Applications (four copies) on the prescribed form, should reach the Assistant Secretary, Institute of Commonwealth Studies, 27 Russell Square, London, WC1B 5DP, not later than 1 March.

UNIVERSITY POSTGRADUATE STUDENTSHIPS

(I) A number of Postgraduate Studentships of £525 a year, plus tuition and registration fees and, under certain conditions, payment of higher degree examination fees and a grant of up to £50 towards the cost of producing a thesis, will be awarded annually by the University provided candidates of sufficient merit present themselves.

The regulations for these studentships are:

1. Candidates may be internal or external graduates of the University, in any faculty.

2. Candidates must have taken their first degree not more than three years prior to the date of the award.

3. The studentships are tenable for one year or for two years in the first instance.

Applications must be received by the Secretary to the Scholarships Committee, University of London, WC1E 7HU, not later than 1 March in the year of award. Further information may be obtained from him.

(II) The University also offers a small number of studentships available for award in any subject as follows:

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1. The studentships are open to internal and external students who obtain first class honours at their final examinations for Bachelors' degrees, and who are either ineligible for, or, for special reasons are not candidates for awards under the national schemes. In special circumstances other candidates of special distinction may be considered.

2. Successful candidates must satisfy the University of their intention to pursue a full-time course of advanced study or research and will be required to submit periodical reports on the progress of their studies during the tenure of their studentships.

3. The holders of the studentships will normally be required to carry out graduate work in a school or institute of the University.

4. The tenure of the studentships begins at the beginning of the session immediately following the final Bachelors' degree examinations and extends for one or two years in the first instance.

5. The value of the studentships is £500 in the first year and £525 in the second year plus tuition and registration fees and, under certain conditions, payment of a grant of £25 for approved initial research expenses, and the payment of higher degree examination fees and a grant of up to £50 towards the cost of producing a thesis.

No special application need be made. The awards will be made by the University Scholarships Committee after considering recommendations made by the School.

Further information can be obtained from the Secretary to the Scholarships Committee, University of London, WC1E 7HU.

WILLIAM LINCOLN SHELLEY STUDENTSHIP

The William Lincoln Shelley Studentship founded under the will of Mr. William Lincoln Shelley, will be awarded from time to time to a graduate of the University of London for advanced study or research in any subject. Until further notice the value of the studentship will be £275 a year plus a grant of £250.

The regulations for this studentship are as for University Postgraduate Studentships (I).

UNIVERSITY POSTGRADUATE TRAVELLING STUDENTSHIPS

A number of Postgraduate Travelling Studentships will be awarded annually by the University if candidates of sufficient merit present themselves.

The regulations for these studentships are:

1. Candidates may be internal or external graduates of the University, in any faculty.

2. Candidates must not have completed their 28th year on or before 1 June in the year of award.

3. Successful candidates must spend the year of tenure abroad and must submit a scheme of work for the approval of the University.

4. The value of the studentships will be fixed in relation to the estimated expenses of the successful candidates.

5. The studentships will be tenable for one year.

Applications must be received by 1 March in the year of award by the Secretary

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to the Scholarships Committee, University of London, WC1E 7HU, from whom further information can be obtained.

Note Candidates are not eligible to apply until the session after they have graduated in this University.

DERBY STUDENTSHIP

A Derby Studentship in History will be awarded annually by the University on the results of the final examination for the B.A. Honours degree. The value of the studentship will be £100 and it will be tenable for one year. It can be held concurrently with a University Studentship awarded on the results of the final examination, or other award. No special application is necessary; the studentship will be awarded by the Scholarships Committee after considering reports from the examiners.

GERSTENBERG STUDENTSHIP

A Gerstenberg Studentship will be awarded annually by the University on the results of the final examination for the B.Sc. (Econ.) degree. The value of the studentship will be £100 and it will be tenable for one year. It can be held concurrently with a University Studentship awarded on the results of the final examination, or other award. No special application is necessary; the studentship will be awarded by the Scholarships Committee after considering reports from the examiners.

RESEARCH FELLOWSHIPS IN HISTORY

1. The Senate offers a number of Research Fellowships in History tenable at the Institute of Historical Research, Senate House, WC1E 7HU. The fellowships will be of an annual value of £650, or such smaller sum as will ensure that the holder's total income from scholarships is not less than £650 a year. In addition, tuition fees in the University of London, incurred by the holders of fellowships for their approved programmes of work, may be defrayed by the University, where these fees have not otherwise been provided for.
2. The fellowships will be awarded to graduates in History of any university. In respect of half of those available preference will be given to graduates in History of the University of London.
3. The fellowships will normally be awarded to postgraduates of at least two years' standing. They will be tenable for one year in the first instance, but may be renewed for a second year at the discretion of the Institute of Historical Research Committee.
4. Applications must be made on the prescribed form, which may be obtained from the Secretary of the Institute, and must include the names of two persons to whom reference may be made. Candidates placed on the short list will be required to attend at the Institute for interview.
5. Successful candidates will be required to pursue an approved course of study leading either to a higher degree or to the completion of a research project under supervision. The holder of a fellowship will be required to keep terms at the Institute and to devote his full time to the subject of his research. Leave of absence

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from London for a limited period for the purpose of research may be given at the discretion of the Committee.

6. The awards will be made by the Institute of Historical Research Committee, acting on behalf of the University Scholarships Committee, subject to confirmation by the Senate.

7. The amounts of the fellowships will be paid in instalments at such times as may be decided in each case, each instalment (with the exception of the first, which will be paid in advance) being payable only on receipt by the University of satisfactory reports on the holder's progress and conduct.

8. The awards will be made in May and applications must reach the Director, Institute of Historical Research, Senate House, WC1E 7HU, not later than 1 April.

MADGE WALEY JOSEPH SCHOLARSHIP

1. The Madge Waley Joseph Memorial Postgraduate Scholarship for Women, founded by the friends of the late Mrs. Madge Waley Joseph, of the value of approximately £40 for one year, will be offered annually to a woman student at either Bedford College or the London School of Economics and Political Science, taking a one-year postgraduate course in the Department of Sociology, Social Studies and Economics at Bedford College, or in the Department of Social Science and Administration at the London School of Economics, in preparation for subsequent work in social service.

2. The scholarship will be offered alternately in Bedford College and the London School of Economics, and candidates must be nominated by the Head of the relevant School. Nominations must reach the Secretary to the Scholarships Committee not later than 30 November in the year of award.

CENTRAL RESEARCH FUND

The Senate of the University has at its disposal a Research Fund from which grants may be made to students of the University. Such grants will be made for specific projects of research, being intended to cover approved expenses and for the provision of materials and apparatus not otherwise available to the applicant. Applications must be received not later than 31 March, 15 September or 15 December.

Further information may be obtained from the Deputy Academic Registrar, University of London, WC1E 7HU.

ASSOCIATION OF CERTIFIED AND CORPORATE ACCOUNTANTS

(See page 160.)

AWARDS FOR STUDY IN THE U.K. AND ABROAD

Many scholarships, studentships and fellowships, for which students of the School are eligible, are offered by or are tenable at universities both at home and overseas. Several awards are also available for vacation courses abroad. Particulars of these are posted on the scholarships notice-board in the main entrance hall of the School.

Medals and Prizes

Offered by the School and open only to students of the School.

Allyn Young Prize

In memory of the late Professor Allyn Young, a prize in books will be awarded annually for the best performance in the papers in Economics and Elementary Statistical Theory by a student at Part I of the B.Sc. (Econ.) final examination. The value of the prize will be the income of the fund for the year preceding the award and will normally be about £8 10s. (£8.50). It will be awarded only if there is a suitable candidate.

School Prizes

Provided that candidates of sufficient merit present themselves, the School will award annually eleven prizes of books to the value of £10 each to students who are reading for first degrees and whose work in their first year shows particular merit.

The prizes will be offered as follows:

B.Sc. (Econ.): three prizes will be awarded: one for the best performance in Part I of the B.Sc. (Econ.) examination as a whole; one for the best performance in Economic History or Political History; one for the best performance in British Government: An Introduction to Politics.

LL.B.: a prize will be awarded for the best performance in the College Intermediate Examination in Laws.

(i) *B.A. or B.Sc. with Honours in Sociology*; (ii) *B.Sc. in Geography*; (iii) *B.A. with Honours in History*; (iv) *B.Sc. in Social Anthropology*; (v) *B.Sc. in Mathematics*; (vi) *a first degree in the department of Language Studies*; (vii) *B.Sc. in Social Psychology*: a prize will be awarded to the student who is adjudged to have done the best first year's work in a degree course in each of these groups.

Hughes Parry Prize

The Hughes Parry Prize, of books to the value of about £22, may be awarded annually to a regular student of the School achieving an outstanding performance in the subject of Law of Contract in the College Intermediate examination in Laws. This prize commemorates the work of Sir David Hughes Parry, Professor of English Law from 1930 to 1959 and first Director of the Institute of Advanced Legal Studies.

Raynes Undergraduate Prize

A prize in books, provided through the generosity of the late Mr. Herbert Ernest Raynes, will be awarded annually in July to the student of the School who obtains the best marks in Part II of the B.Sc. (Econ.) final examination. The value of the prize will be the income of the fund for the year preceding the award, and will normally be about £20 10s. (£20.50).

William Farr Prize

Through the generosity of the late Mr. W. J. H. Whittall, a prize consisting of a medal and books is offered annually in memory of Dr. William Farr, C.B., F.R.S. The value of the books will be the remainder of the preceding year's income of the

Medals and Prizes

fund after provision of the medal and will not normally be less than £10. It will be awarded for proficiency and merit in the special subjects of Statistics or Computing¹ at Part II of the final B.Sc. (Econ.) examination, the award to be restricted to regular students of the School, who have pursued a course of study at the School as internal students of the University of London.

The Gonner Prize

A prize is offered annually in memory of the late Professor Sir Edward Gonner, Professor of Economic Science in the University of London from 1891 to 1922, and Director of Intelligence in the Ministry of Food from 1917 to 1921. The value of the prize will be the income of the fund for the year preceding the award and will normally be about £8 10s. (£8.50). It will be awarded to the student who shows conspicuous merit in the special subjects of Economics (Analytical and Descriptive), or Economics and Econometrics, or Monetary Economics or Industry and Trade in Part II of the B.Sc. (Econ.) degree final examination. The prize will be given in books, and is restricted to registered students of the School who have pursued a course of study at the School as internal students of the University. It will be awarded only if there is a suitable candidate.

The George and Hilda Ormsby Prizes

Through the generosity of Dr. Hilda Ormsby the School offers annually two prizes open to students reading for first degrees in the department of Geography as internal students of the University of London.

One prize, to the value of £20, will be awarded to the candidate whose performance is judged the best either in the B.Sc. (Econ.) Part II examination with Geography as the special subject or in the examination for the B.Sc. degree in Geography.

Another prize, to the value of £30, will be awarded for the best piece of original work submitted by a student in the department of Geography during his undergraduate course. Students will be allowed to submit, for example, work completed for the independent geographical study offered as part of the honours course, original field work, work published in *Horizon* or elsewhere, or other original geographical work completed during the undergraduate course.

S. W. Wooldridge Memorial Awards

Awards may be made annually from the S. W. Wooldridge Memorial Fund, established by contributions from present and past students and friends of the Joint School of Geography of King's College and the London School of Economics and Political Science. The awards are made to assist independent projects of field study by students registered in the Joint School and are not available to students with prescribed field work or dissertation topics.

A brief summary of up to 500 words of a proposed project must be submitted to the convener of the department of Geography before 10 June.

¹ Students who are offering the special subject Computing will be eligible for the award if they offer the paper Probability, Distribution and Sampling Theory.

Medals and Prizes

Geoids Book Prize in Memory of S. W. Wooldridge

Members of the Geoids Amateur Operatic Society, founded in 1930 by Professor S. W. Wooldridge, have subscribed to a fund in his memory, from which it is hoped to award an annual book prize. Further information may be obtained from the convener of the department of Geography at the School.

Premchand Prize

A prize of about £27 10s. (£27·50), awarded through the generosity of Sir Kikabhai Premchand of Bombay, is offered annually to a student who shows conspicuous merit in the special subject of Monetary Economics at Part II of the final B.Sc. (Econ.) examination. The prize is restricted to registered students of the School whose course of study has been pursued as internal students of the University. It will be awarded only if there is a suitable candidate.

The Arthur Andersen Prize in Accounting

A prize of the value of about £15 in books is offered annually to the regular student of the School who, as a candidate for the B.Sc. (Econ.) degree in the special subject of Accounting and Finance, is judged by the staff of the School who are examiners in that special subject to be the best of his year in the papers in Accounting. This prize will be awarded only if a candidate of sufficient merit presents himself.

The Bassett Memorial Prizes

Two prizes will be offered annually in memory of Professor R. Bassett, Professor of Political Science: (i) a prize of books to the value of £15 to the regular student of the School who, as a candidate for the B.Sc. (Econ.) degree, with Government as his special subject, is judged to be the best of his year; special consideration will be given to conspicuous merit in the paper 'The Politics and Government of the United Kingdom'; (ii) a prize of books to the value of £8 to the Trades Union student who is judged to have achieved the best performance of his year in Trades Union Studies.

Hobhouse Memorial Prize

A prize of about £10 in books is offered annually in memory of the late Professor L. T. Hobhouse, Martin White Professor of Sociology at the School from 1907-1929. The prize will be awarded to a student who shows conspicuous merit in the final examination for the B.A. degree with Honours in Sociology, Branches I and II, B.Sc. (Sociology) degree, Branches I and II, or the B.Sc. (Econ.) with Sociology in Part II of the final examination. Candidates must be regular students of the School who are also internal students of the University. The award will be made only if there is a suitable candidate.

The Free Press Prize

Through the generosity of the Free Press of Glencoe, a prize of about £25 in books is offered annually to a student who shows conspicuous merit in the subject of Sociology. The prize will be awarded on the basis of performance in the final examination for the B.A. degree with Honours in Sociology, Branches I and II, the

Medals and Prizes

B.Sc. (Sociology) degree, Branches I and II, or the B.Sc. (Econ.) degree with Sociology in Part II of the final examination. Candidates must be regular students of the School who are also internal students of the University. The award will be made only if there is a suitable candidate.

Mostyn Lloyd Memorial Prize

The Committee of the Mostyn Lloyd Memorial Fund offers annually a prize of about £17 in memory of the late Mr. Mostyn Lloyd, who was head of the department of Social Science from 1922 until 1944. Through the generosity of Mrs. Lloyd the prize in recent years has amounted to £20. It is awarded by the Director, on the recommendation of the convener of the department of Social Science and Administration, to the best all-round student or students obtaining the Diploma in Social Administration in each year. Both academic achievement and practical work are taken into consideration. The prize will be awarded only if there is a suitable candidate.

The Janet Beveridge Award

A prize of about £38 10s. (£38·50) in books is offered annually by the Trustees of the Janet Beveridge Memorial Fund. The prize will be awarded to a regular student of the School who, being an internal student of the University, achieves conspicuous merit in the final examination for the B.A. Honours degree in Sociology, Branch III, or the B.Sc. (Sociology) degree, Branch III. The award will be made only if there is a suitable candidate.

Gladstone Memorial Prize

The Trustees of the Gladstone Memorial Trust offer an annual prize of £30, one half of which will be awarded in books, for an essay set within the terms of the Trustees' essay formula. This demands that 'the subject of the Essay shall be connected with either History or Political Science or Economics, and with some aspect of British policy, domestic, international or foreign, in relation to finance or other matters, from the beginning of the nineteenth century to the present time'. The prize is open to all regular students registered at the School for the session preceding the date of entry, which will be 30 November in each year. The subjects of the essay are announced annually in the Lent term. In considering the essays submitted, the committee of award will take into account the age and standing of the candidates.

Essays, which should not exceed 8,000-10,000 words in length, should reach the Director not later than 30 November in each year.

Rosebery Prizes

The School offers for award annually two prizes, one of the value of £20 and one of the value of £10, for an essay on an approved subject in the Social Sciences including Transport.

All students of the School reading for a first degree may compete. The subjects are announced in the Michaelmas term of each session and essays, of not more than 3,000 words in length, should be sent to the Senior Assistant Registrar by 31 May. An award will normally be made in June of each year.

Medals and Prizes

The Director's Essay Prize

A prize in books of the value of £10 is offered for award annually by the Director for the best essay written during the first session by an undergraduate student, reading for a first degree or diploma, who has not previously studied at a university. The essay should not exceed 3,000 words. Subjects approved by the Director will be announced each year.

Bowley Prize

The School offers a prize to commemorate the distinguished services to economic and statistical sciences of the late Professor Sir Arthur L. Bowley, Professor of Statistics in the University of London from 1915 to 1936.

The value of the prize will be the income of the fund for the three years preceding the award and will normally be about £25.

It will be open to present or past regular students of the School who have registered for a period of at least two years and are within ten years of their first graduation at any university. The prize will be offered for written work in the field of economic or social statistics, completed within four years prior to 1 January 1972. It will be awarded only if an adequate standard of excellence is attained.

The Committee of Award will consist of one representative of the School, one of the Royal Statistical Society and one of the Royal Economic Society.

Candidates wishing to submit work for consideration by the Committee should send it to the Senior Assistant Registrar by 1 January 1972.

The Firth Award

A prize to the value of about £20 10s. (£20·50) will be offered annually to graduate students in the department of Anthropology for the best paper of the year contributed to any seminar in the department. The award will be made by the Director on the recommendation of the convener and senior members of the department.

An award will be made only if a paper of suitable merit is contributed.

Ely Devons Prizes

Two prizes, each of the value of about £20, will be offered annually in memory of the late Professor Ely Devons. One prize will be awarded to the regular student of the School who, as a candidate for the M.Sc. degree in Economics, is judged to be the best of his year; the other to the best candidate for the M.Sc. degree in Econometrics and Mathematical Economics. The awards will be made only if there are suitable candidates.

The Gourgey Essay Prize

Through the generosity of Mr. P. S. Gourgey, a former student of this School, a book prize of the value of about £1 10s. (£1·50) will be offered for award annually to students attending the course in Trades Union Studies. It will be awarded to the student who, in the opinion of his teachers, submits the best project report during the Lent term of each academic year. An award will be made only if there is a candidate of sufficient merit.

First Degree Courses

General Information

The School registers students for the following degrees of the University of London:

Bachelor of Science in Economics

Bachelor of Laws

Bachelor of Arts with Honours in the following subjects:

History, Language Studies, Sociology

Bachelor of Science in Geography, Mathematics, Social Anthropology, Social Psychology, and Sociology

The degree regulations as printed in this Calendar are correct at the time of going to press, but may possibly have been modified in minor respects by the beginning of the academic year.

All students should read the University Regulations for Internal Students in the relevant faculty. They may be obtained from the University or the Registry at the School.

The School reserves the right at all times to withdraw or alter particular courses and course syllabuses.

The approved course of study for a first degree extends over not less than three years.¹

Except by special permission of the Director, students of the School who fail at any degree examination, or whose progress has been unsatisfactory, or who have completed the normal course for an examination but, without adequate reason, have failed to enter, will not be eligible for re-registration. Students who are given this special permission will not be allowed in the year of re-registration to do any work at the School other than work for that examination in which they failed. Departures from this rule will be made only in exceptional cases and subject to such conditions as the Director may require in any particular case.

Degree of Bachelor of Science in Economics

Complete courses of study are provided by the School for the degree of B.Sc. (Econ.). The entrance requirements for this degree are set out in the table on pages 141-3.

Students who have obtained the B.A. degree in Sociology or the B.Sc. (Soc.) degree will not be permitted to offer special subject Sociology or special subject Social Anthropology at Part II of the B.Sc. (Econ.) examination.

Course of Study

A student shall be eligible to present himself for Part I of the examination after having satisfactorily attended approved courses extending over one academic year, and for Part II after having satisfactorily attended approved courses extending over two further academic years.

¹ Graduates and persons who have obtained a Teacher's Certificate awarded after a course of study extending over not less than three years may in certain circumstances be permitted to complete the course for a first degree in not less than two years. Details may be found in the pamphlet 'General Regulations for Internal Students' obtainable from the University of London, Senate House, London, WC1E 7HU.

First Degree Courses

Details of Examination

The examination is divided into two Parts, and a candidate is required to pass Part I before he enters for Part II.

The subjects of the examination are as follows:

Part I

Part I of the examination consists of five papers, as follows:

Compulsory Subjects

	<i>Reference Nos. of Courses</i>
1. <i>Either (a) Economics</i>	21-2
<i>or (b) Introduction to Mathematical Economics</i>	23, 23a
<i>(Candidates selecting 1 (b) Introduction to Mathematical Economics are required to present Algebra and Methods of Analysis as an alternative subject at Part I. Students at the School will normally take 1 (a); 1 (b) may be taken only by those offering special subject II. Economics and Econometrics, X. Statistics, or XI. Computing at Part II; certain options in these special subjects may be taken only by candidates who have taken 1 (b))</i>	
2. British Government: an Introduction to Politics	522, 522a
3. History:	
<i>either (a) Economic History</i>	260, 260a
<i>or (b) Political History</i>	288-9

Alternative Subjects

4 and 5. *Two subjects to be chosen from the following alternatives, subject to the limitations set out below:*

(1) <i>Either (a) Basic Mathematics</i>	900, 900a
<i>or (b) Algebra and Methods of Analysis</i>	902, 902a
(2) Elementary Statistical Theory	917, 917a
(3) Introduction to Logic	488, 488a
(4) Introduction to Scientific Method	485, 485a, 487, 489
(5) English Legal Institutions	442, 442a
(6) Elements of Social Structure I	830, 830a, 832
(7) Structure of International Society	580, 580a
(8) Methods of Social Investigation	914, 914a, 933, 933a
(9) Principles and Methods of Social Anthropology	640, 642, 650
(10) Introduction to Psychology	695(i), (iii), b
(11) An Approved Modern Foreign Language	374, 377, 383-4, 389-90, 398-9
<i>(A pass at Advanced level in the language proposed is normally required of students at the</i>	

First Degree Courses

Reference Nos. of Courses

School, and those taking this option should register with the Secretary of the department of Language Studies in the first week of the session)

(12) Human Geography	182, 182a
(13) The Economic History of England 1216-1603	269, 269a
(14) International Law (<i>Candidates who have taken International Law at Part I will not be permitted to offer International Law at Part II</i>)	449, 449a
(15) Introduction to Analysis and Set Theory	903, 903a

In specially approved cases a student may be permitted to substitute subject (15) Introduction to Analysis and Set Theory for one of the three compulsory subjects.

The alternative subjects must be selected according to the following scheme:

Special Subject in Part II

- I. Economics, Analytical and Descriptive
- II. Economics and Econometrics

Alternative Subjects in Part I

- Any two of the alternative subjects
- Either (1) (a) Basic Mathematics or (1) (b) Algebra and Methods of Analysis and any other alternative subject (Candidates taking options (1) (b)-(3) (b) at Part II will be required to have taken Algebra and Methods of Analysis at Part I)*
- III. Monetary Economics
- Any two of the alternative subjects
- IV. Industry and Trade
- Either (1) (a) Basic Mathematics or (1) (b) Algebra and Methods of Analysis and any other alternative subject (Candidates taking Labour, including Elements of Labour Law, or Elements of Labour Law at Part II will be required to have taken English Legal Institutions at Part I; candidates taking Elements of Statistical Theory and Methods, or Elements of Management Mathematics at Part II may not take Elementary Statistical Theory at Part I)*
- V. Accounting and Finance
- (5) English Legal Institutions and *either (1) (a) Basic Mathematics or (1) (b) Algebra and Methods of Analysis or (2) Elementary Statistical Theory*

First Degree Courses

Special Subject in Part II

- VI. Economic History, Modern
- VII. Economic History, Mediaeval
- VIII. Government
- IX. Sociology

X. Statistics

XI. Computing

XII. International Relations

XIII. Social Anthropology

XIV. International History

XV. Geography

XVI. Philosophy

In the above scheme for selection of alternative subjects, references to Algebra and Methods of Analysis apply also to the former subject Intermediate Mathematics.

History as an optional subject at Part II

A candidate who has taken paper 3 (a) Economic History at Part I is not permitted at Part II to take Economic History at the subject 'History' in papers 1, 2, 3, 4, 5 or 6, and a candidate who has taken paper 3 (b) Political History at Part I is not permitted at Part II to take Political History in papers 1, 2, 3, 4, 5, 6 or 8. Candidates taking V. Accounting and Finance at Part II may, with the permission of the School, substitute for either Economic History or Political History at Part II, a paper in Economic History chosen from papers of VI. Economic History, Modern, or VII. Economic History, Mediaeval.

Part II

Special Subjects

Part II of the examination consists of eight subjects as prescribed for each special subject below:

I. Economics, Analytical and Descriptive

N.B. Save in the most exceptional circumstances students at the School will be required to take Public Finance under either paper 3 or paper 8; they may

Alternative Subjects in Part I

- Any two of the alternative subjects
- Any two of the alternative subjects
- Any two of the alternative subjects
- (6) Elements of Social Structure I and either (8) Methods of Social Investigation or (9) Principles and Methods of Social Anthropology
- (1) (b) Algebra and Methods of Analysis and (2) Elementary Statistical Theory
- (1) (b) Algebra and Methods of Analysis and (2) Elementary Statistical Theory
- Any two of the alternative subjects
- (9) Principles and Methods of Social Anthropology and one other alternative subject
- Any two of the alternative subjects
- (12) Human Geography and any one of the other alternative subjects
- Any two of the alternative subjects

First Degree Courses

Reference Nos. of Courses

not take Principles of Monetary Economics under paper 8.

- 1. Political Thought 510-12
- 2. One of the following:
 - (a) History:
 - either (i) Economic History 261, 261a
 - or (ii) Political History 290, 290a
 - (b) Introduction to Modern Mathematics (*This paper may not be taken by candidates who have taken Basic Mathematics at Part I*) 900, 900b, 901
 - (c) Mathematics A 912
 - (d) Mathematics B 913-913b
- 3. One of the following:
 - (a) Scientific Method 485-7, 500
 - (b) Accounting—Management and Economic Aspects 133, 133a, 136-137a, 141, 936
 - (c) An Approved Modern Foreign Language (*Students at the School who are taking this option should normally have taken the language of their choice at A level or at Part I*) 376, 378-9, 386-7, 392, 401-2
 - (d) Public Finance 39, 43-4, 96
 - (e) Elements of Statistical Theory and Methods (*This paper may not be taken by candidates who have taken Elementary Statistical Theory at Part I*) 917-9
 - (f) Commercial Law 443-4a and 445, 445a, or 446, 446a
 - (g) Economic Geography 204, 205, 205b, 206-7
 - (h) Elements of Social Structure II (*This paper may not be taken by candidates who have taken Elements of Social Structure I at Part I*) 830-832
- For examination in and after 1972**
 - (i) Economic Institutions Compared 115
 - (j) The Economics of Planning } Courses for these subjects will
 - (k) Economic Development } be offered in 1971-72
- 4. Economic Principles 28(i)-(ii)a, (vi), 29
- 5. Problems of Applied Economics 28(iii)-(v)a
- 6. **For examination in 1971 only**
 - Economic Statistics¹ 929b
- For examination in and after 1972**
 - One of the following:
 - (a) Economic Statistics² 928-9a, 930-1

¹Third-year courses only are listed.
²Second-year courses only are listed.

First Degree Courses

	<i>Reference Nos. of Courses</i>
(b) Economic Institutions Compared (<i>not if taken in 3 or 8</i>)	115
(c) The Economics of Planning (<i>not if taken in 3 or 8</i>)	} Courses for these subjects will be offered in 1971-72
(d) Economic Development (<i>not if taken in 3 or 8</i>)	
7. Development of Economic Analysis	31, 31a
8. One of the following:	
(a) Principles of Monetary Economics	—
(b) International Economics	52, 52a
(c) History of Economic Thought	30, 30a
(d) Economics treated Mathematically	32, 32a, 949, 949a
(e) Public Finance (<i>if not taken in 3 above</i>)	39, 43-4, 96
For examination in and after 1972	
(f) Economics of Labour ¹	41, 41a
(g) Economic Institutions Compared (<i>not if taken in 3 or 6</i>)	115
(h) The Economics of Planning (<i>not if taken in 3 or 6</i>)	} Courses for these subjects will be offered in 1971-72
(i) Economic Development (<i>not if taken in 3 or 6</i>)	

II. Economics and Econometrics

Either

1. (a) Economic Principles	28(i)-(ii)a, (vi)
2. (a) Economics treated Mathematically	32, 32a, 949, 949a
3. (a) (i) Mathematics A	912
or (ii) Mathematics B	913-913b
or (iii) Introduction to Analysis and Set Theory (<i>unless taken at Part I</i>)	903, 903a
or (iv) Real Variable (<i>This paper may be taken only by candidates who have taken Introduction to Analysis and Set Theory at Part I</i>)	905-905b
<i>or, in the case of candidates who have taken Introduction to Mathematical Economics and Algebra and Methods of Analysis at Part I:</i>	
1. (b) Mathematical Economics I	36, 36a
2. (b) Mathematical Economics II	37, 37a

¹ Second-year courses only are listed.

First Degree Courses

	<i>Reference Nos. of Courses</i>
3. (b) (i) Mathematics B	913-913b
or (ii) Introduction to Analysis and Set Theory (<i>unless taken at Part I</i>)	903, 903a
or (iii) Real Variable (<i>This paper may be taken only by candidates who have taken Introduction to Analysis and Set Theory at Part I</i>)	905-905b
4. <i>Either</i>	
(a) Political Thought	510-512
or	
(b) History:	
either (i) Economic History	261, 261a
or (ii) Political History	290, 290a
5. One of the following:	
(a) Elements of Statistical Theory and Methods (<i>This paper must be taken by candidates who have not taken Elementary Statistical Theory at Part I and may be taken only by such candidates</i>)	917-919
(b) Statistical Theory	920-921a, 925-926
(c) Management Mathematics	947-949a
(d) Accounting—Management and Economic Aspects	133, 133a, 136-137a, 141, 936
(e) Development of Economic Analysis	31, 31a
6. Problems of Applied Economics	28(iii)-(v)a
<i>Either</i>	
7. (a) Economic Statistics	928-931
and 8 (a) Econometrics	33, 33a, 918
or	
7. (b) Econometric Theory	34, 34a, 918
and 8 (b) Applied Econometrics	35, 35a
<i>(Options 7 (b) and 8 (b) may be taken only if Statistical Theory is taken at paper 5)</i>	

III. Monetary Economics

N.B. Students at the School will be required to take Public Finance under paper 3; they are normally required to take International Economics under paper 8, but permission may be given to substitute another suitable paper.

1. Political Thought	510-512
2. History:	
either (i) Economic History	261, 261a
or (ii) Political History	290, 290a

First Degree Courses

	<i>Reference Nos. of Courses</i>
3. One of the following:	
(a) Scientific Method	485-487
(b) Accounting—Management and Economic Aspects	133, 133a, 136-137a, 141, 936
(c) Economic Geography	205, 205b, 206-207
(d) An Approved Modern Foreign Language <i>(Students at the School who are taking this option should normally have taken the language of their choice at A level or at Part I)</i>	376, 378-379, 386-387, 392, 401-402
(e) Constitutional and Administrative Law	448, 448a
(f) Commercial Law	443-444a and 445, 445a or 446, 446a
(g) Elements of Social Structure II <i>(This paper may not be taken by candidates who have taken Elements of Social Structure I at Part I)</i>	830-832
(h) Mathematics A	912
(i) Introduction to Modern Mathematics <i>(This paper may not be taken by candidates who have taken Basic Mathematics at Part I)</i>	900, 900b, 901
(j) Public Finance	39, 43-44, 96
4. Economic Principles	28(i)-(ii)a, (vi), 29
5. Problems of Applied Economics	28(iii)-(v)a
6. Principles of Monetary Economics	45, 48-51
7. Monetary Institutions	46-47
8. One of the following:	
(a) History of Economic Thought	30, 30a
(b) International Economics	52, 52a
(c) Economic Statistics	928-931
(d) Public Finance <i>(if not taken in 3 above)</i>	39, 43-44, 96
(e) For examination in and after 1972 Economics of Labour ¹	41, 41a
IV. Industry and Trade	
1. Economic Principles	28(i)-(ii)a, (vi), 29
2. <i>Either</i> (a) Political Thought or (b) History	510-512
<i>either</i> (i) Economic History or (ii) Political History	261, 261a 290, 290a
3. <i>Either</i> (a) Elements of Statistical Theory and Methods <i>(This paper may not be taken by candidates who have taken Elementary Statistical Theory at Part I)</i> or (b) Economic Statistics or (c) Elements of Management Mathematics <i>(This paper may not be taken by candidates who have taken Elementary Statistical Theory at Part I)</i>	917-919 928-931 914, 914a, 946, 946a

¹Second-year courses only are listed.

First Degree Courses

	<i>Reference Nos. of Courses</i>
4. Business Administration	39-40a
5. Industry and Trade	38-39
6, 7 and 8. <i>Three</i> of the following. Students at the School are recommended to take: <i>either</i> (a), (b) and one of (c), (d), (g), (h) or any three of (b), (e), (f), (g), (h), but other combinations of papers may be approved	
(a) Development of Economic Analysis	31, 31a
(b) Problems of Applied Economics	28(iii)-(v)a
(c) History of Economic Thought	30, 30a
(d) Economics treated Mathematically	32, 32a, 949, 949a
(e) For examination in 1971 only Labour, including Elements of Labour Law ¹ <i>(Candidates taking this paper will be required to have taken English Legal Institutions at Part I)</i>	96, 447, 447a
For examination in and after 1972 Economics of Labour ²	41, 41a
(f) Commercial Law <i>(Candidates taking this paper will be required to have taken English Legal Institutions at Part I)</i>	443-445a
(g) Business Finance ^{1, 3}	42
(h) Accounting—Management and Economic Aspects	133, 133a, 136-137a, 141, 936
(i) <i>Either</i> Mathematics A or Mathematics B	912 913-913b
(j) For examination in and after 1972 Elements of Labour Law ² <i>(Candidates taking this paper will be required to have taken English Legal Institutions at Part I)</i>	443, 443a

V. Accounting and Finance

1. <i>Either</i> (a) Political Thought or (b) History	510-512
<i>either</i> (i) Economic History or (ii) Political History	261, 261a 290, 290a

(With the permission of the School, candidates may substitute for 1 (b) (i) or (ii) a paper in Economic History from VI. Economic History, Modern, or VII. Economic History, Mediaeval)

¹Third-year courses only are listed.

²Second-year courses only are listed.

³There will be no teaching at the School for this paper after 1970-71.

First Degree Courses

	Reference Nos. of Courses
2. One of the following:	
(a) Elements of Management Mathematics (<i>This paper may not be taken by candidates who have taken Elementary Statistical Theory at Part I</i>)	914, 914a, 946, 946a
(b) Business Administration	39-40a
(c) Mathematics A	912
(d) Mathematics B	913-913b
(e) Elements of Statistical Theory and Methods (<i>This paper may not be taken by candidates who have taken Elementary Statistical Theory at Part I</i>)	917-919
(f) Economics treated Mathematically	32, 32a, 949, 949a
(g) Introduction to Modern Mathematics (<i>This paper may not be taken by candidates who have taken Basic Mathematics at Part I</i>)	900, 900b, 901
(h) Management Mathematics	947-949a
(i) Introduction to Analysis and Set Theory (<i>unless taken at Part I</i>)	903, 903a
3. Economic Principles	28(i)-(ii)a, (vi), 29
4. <i>Either</i> (a) Problems of Applied Economics <i>or</i> (b) Industry and Trade	28(iii)-(v)a 38-39
5. Commercial Law	443-444a, 446, 446a
6, 7 and 8. Accounting and Finance	133-141, 936

VI. Economic History, Modern

1. Economics	27, 27a
2. Political Thought	510-512
3. English Economic History, 1485-1760	263-264, 274
4. English Economic History from 1760	264, 275
5 and 6. Economic and Political History of England in <i>one</i> of the following periods:	
(a) <i>c.</i> 1575-1642	265, 272
<i>or</i>	
(b) 1830-1886	266, 273
Candidates may substitute for one paper an essay of not more than 10,000 words on an approved topic	
7. Economic History of the United States of America from 1783	267, (ii)a, (iii)a
8. <i>One</i> of the following:	
(a) English Constitutional History since 1660	523
(b) <i>either</i> (i) International History 1815-1914 <i>or</i> (ii) International History since 1914	292, 308 293, 308
(c) International Economic History, 1850-1945	268, 268a

First Degree Courses

	Reference Nos. of Courses
(d) An Approved Modern Foreign Language (<i>Students at the School who are taking this option should normally have taken the language of their choice at A level or at Part I</i>)	376, 378-379, 386-387, 392, 401-402
(e) Scientific Method	485-487
(f) Social Philosophy	834-835, 837a, b
(g) Elements of Social Structure II (<i>This paper may not be taken by candidates who have taken Elements of Social Structure I at Part I</i>)	830-832
(h) Economic Statistics	928-931
(i) Historical Geography	214(i), (i)a
(j) Political History	290, 290a
(k) Social Aspects of Political and Economic Development	640, 650, 652, 652a

VII. Economic History, Mediaeval

1. Economics	27, 27a
2. Political Thought	510-512
3 and 4. Economic History of England and Western Europe in the Middle Ages	271
5 and 6. Economic and Political History of England 1377-1485	271
Candidates may substitute for one paper an essay of not more than 10,000 words on an approved topic	
7 and 8. <i>Two</i> of the following:	
(a) English Constitutional History to 1485	—
(b) English Constitutional History since 1660	523
(c) English Economic History, 1485-1760	263-264, 274
(d) English Economic History from 1760	264, 275
(e) <i>either</i> (i) International History, 1815-1914 <i>or</i> (ii) International History since 1914	292, 308 293, 308
(f) International Economic History, 1850-1945	268, 268a
(g) Economic History of the United States of America from 1783	267, (ii), (iii)a
(h) Political Thought (Set Texts)	513
(i) An Approved Modern Foreign Language (<i>Students at the School who are taking this option should normally have taken the language of their choice at A level or at Part I</i>)	376, 378-379, 386-387, 392, 401-402
(j) Scientific Method	485-487
(k) Historical Geography	214(i), a
(l) Social Philosophy	834-835, 837a, b

First Degree Courses

	<i>Reference Nos. of Courses</i>
VIII. Government	
1. Economics	27, 27a
2. History:	
<i>either</i> (i) Economic History	261, 261a
or (ii) Political History	290, 290a
3. <i>One of the following:</i>	
(a) English Constitutional History since 1660	523
(b) Constitutional and Administrative Law	448, 448a
(c) International Institutions	587, 587a, 589-590
(d) History of Economic Thought	30, 30a
(e) Scientific Method	485-487
(f) An Approved Modern Foreign Language (Students at the School who are taking this option should normally have taken the language of their choice at A level or at Part I)	376, 378-379, 386-387, 392, 401-402
(g) Local Government of England and Wales	531-532
4. Political Thought	510-512
5. Political Thought (Set Texts)	513
6. The Politics and Government of the United Kingdom	524-530, 550
7. Comparative Political Institutions	534-534b, 562-563
8. <i>One of the following:</i>	
(a) Political Philosophy	493, 514-514b
(b) Contemporary Political Thought	515-515b, 520(i)
(c) The Politics and Government of a Foreign or Commonwealth Country	450, 521, 535-540b
IX. Sociology	
1. Economics	27, 27a
2. Political Thought	510-512
3. History:	
<i>either</i> (i) Economic History	261, 261a
or (ii) Political History	290, 290a
4. Theories and Methods of Sociology	836, 840, 840a, 842
5. Social Philosophy	834-835, 837-837b
6. Social Structure of Modern Britain	266, 844-845
7. Essay on a Sociological Subject	—

First Degree Courses

	<i>Reference Nos. of Courses</i>
8. <i>One of the following:</i>	
(a) Demography I	682-684a
(b) Social Psychology	695(i), (iii), c, 698(i), (iii), b
(c) Criminology	852-855
(d) Comparative Morals and Religion	848, 848a
(e) Political Sociology	849-849b
(f) Industrial Sociology	348, 850-851
(g) For examination in and after 1972 Sociology of Education	856, 856a
X. Statistics	
In addition to written papers, the examination will include inspection by the examiners of notebook records of practical work done during the course of study and, in the case of paper 6, of the dissertation completed during the course of study. Logarithm and statistical tables will be provided by the University, and slide rules may be brought to the examination in papers 4-8. Actuarial tables will be provided for candidates taking Actuarial Statistics.	
1 and 2. <i>Two of the following:</i>	
(a) <i>Either</i> (i) Economic Principles	28(i)-(ii)a, (vi)
or (ii) Mathematical Economics I (<i>This paper may be taken only by candidates who have taken Introduction to Mathematical Economics at Part I</i>)	36, 36a
(b) <i>Either</i> (i) Economics treated Mathematically (<i>This paper may not be taken by candidates taking 1 and 2 (a) (ii) Mathematical Economics I</i>)	32, 32a, 949, 949a
or (ii) Mathematical Economics II (<i>This paper may be taken only by candidates taking 1 and 2 (a) (ii) Mathematical Economics I</i>)	37, 37a
(c) Political Thought	510-512
(d) Scientific Method	485-487
(e) Social Structure of Modern Britain	844-845
3. <i>Either</i> (a) Mathematics B	913-913b
or (b) Introduction to Analysis and Set Theory (<i>unless taken at Part I</i>)	903, 903a
or (c) Real Variable (<i>This paper may be taken only by candidates who have taken Introduction to Analysis and Set Theory at Part I</i>)	905-905b
4. Probability, Distribution and Sampling Theory	920-921a, 925-926

First Degree Courses

	<i>Reference Nos. of Courses</i>
5. Theory of Statistical Methods	922-924
6. Applied Statistical Methods [<i>No written paper. Examination results will be assessed on practical work and a dissertation written during the course of study</i>]	932-932b, 940, 940a, 984
7 and 8. <i>Two of the following:</i>	
(a) Actuarial Statistics	936-937(ii)a
(b) Demography II	680-681, 684-686
(c) Social Statistics and Survey Methodology	924, 934-935, 970
(d) Econometric Theory	34, 34a, 918
(e) Applied Econometrics	35, 35a
(f) Numerical Methods and Programming	940, 943-944, 984
(g) Management Mathematics	947-949a
(h) Mathematical Logic	488, 488a, 491, 505

XI. Computing

In addition to written papers, the examination will include inspection by the examiners of notebook records of practical work done during the course of study and, in the case of paper 8, of the projects completed during the course of study. Logarithm and statistical tables will be provided by the University and slide rules may be brought to the examination in papers 3-8.

1. <i>Either</i> (a) Economic Principles	28(i)-(ii)a, (vi)
or (b) Mathematical Economics I (<i>This paper may be taken only by candidates who have taken Introduction to Mathematical Economics at Part I and who are taking Mathematics B at Part II</i>)	36, 36a
2. <i>Either</i> (a) Mathematical Economics II (<i>This paper may be taken only by candidates taking Mathematical Economics I</i>)	37, 37a
or (b) Mathematical Logic	488, 488a, 491, 505
or (c) Political Thought	510-512
or (d) Economics treated Mathematically (<i>This paper may not be taken by candidates taking 1(b) Mathematical Economics I</i>)	32, 32a, 949, 949a
3. <i>Either</i> (a) Mathematics A	912
or (b) Mathematics B	913-913b
or (c) Introduction to Analysis and Set Theory (<i>unless taken at Part I</i>)	903, 903a

First Degree Courses

	<i>Reference Nos. of Courses</i>
or (d) Real Variable (<i>This paper may be taken only by candidates who have taken Introduction to Analysis and Set Theory at Part I</i>)	905-905b
4. Elements of Computer Science	938-940a, 943, 975, 984
5, 6 and 7. <i>Three of the following:</i>	
(a) Management Data Processing	133, 133a, 141, 945a, b, 985-988
(b) Management Mathematics	947-949a
(c) Numerical Methods and Programming	940, 943-944, 984
(d) Probability, Distribution and Sampling Theory	920-921a, 925-926
(e) Social Statistics and Survey Methodology	924, 934-935, 970
(f) Elements of Statistical Theory and Methods (<i>This paper may not be taken by candidates who have taken Elementary Statistical Theory at Part I</i>)	917-919
(g) Demography II	680-681, 684-686
(h) <i>Either</i> (i) Problems of Applied Economics or (ii) Industry and Trade	28(iii)-(v)a 38-39
8. General Computing	941, 942, 947, 947a

XII. International Relations

1. Economics	27, 27a
2. Political Thought	510-512
3. <i>Either</i> (a) International History, 1815-1914	292, 308
or (b) International Law (<i>International Law must be taken under either 3 (b) or 8 (e) by candidates who have not taken it at Part I and may be taken only by such candidates</i>)	449, 449a
4. International History since 1914	293, 308
5. International Politics	581, 581a, 584, 605
6. Foreign Policy Analysis	582-583a
7. International Institutions	587-590
8. <i>One of the following:</i>	
(a) Theories of International Politics	599-601
(b) The Politics of International Economic Relations	592, 592a
(c) Strategic Studies	594, 594a, 607
(d) Sociology of International Law	604, 604a

First Degree Courses

	<i>Reference Nos. of Courses</i>
(e) International Law (if not taken at Part I or under 3)	449, 449a
(f) International History (Special Period) chosen from the following:	
(i) Great Britain and the Paris Peace Conference of 1919	303
or (ii) The Manchurian Crisis, 1931-1933	304
or (iii) Anglo-German Naval Diplomacy, 1933-1939	305
(g) An Approved Modern Foreign Language (Students at the School who are taking this option should normally have taken the language of their choice at A level or at Part I)	376, 378-379, 386-387, 392, 401-402

XIII. Social Anthropology

1. Economics	27, 27a
2. <i>Either</i>	
(a) Political Thought	510-512
or	
(b) Social Aspects of Political and Economic Development	652, 652a
3. History:	
either (i) Economic History	261, 261a
or (ii) Political History	290, 290a
4. General Principles of Cultural and Social Anthropology	643, 650
5. Economic and Political Systems [of Simple Societies]	644
6. Moral and Ritual Systems [of Simple Societies]	645
7. Ethnography of a Special Area	646, 651, 651a
8. Development of Social Anthropology	648

XIV. International History

1. Economics	27, 27a
2. Political Thought	510-512
3. <i>One of the following:</i>	
(a) Economic History	261, 261a
(b) International Politics	581, 581a, 584, 605
(c) International Law (This paper may not be taken by candidates who have taken International Law at Part I)	449, 449a

First Degree Courses

	<i>Reference Nos. of Courses</i>
(d) An Approved Modern Foreign Language (Students at the School who are taking this option should normally have taken the language of their choice at A level or at Part I)	376, 378-379, 386-387, 392, 401-402
(e) Historical Geography	214(i), (i)a
(f) Economic Geography	204, 205, 205b, 206-207
4. International History, 1494-1815	291, 306
5. International History, 1815-1914	292, 307
6. International History since 1914	293, 295, 307
7. <i>One of the following:</i>	
(a) William III and Louis XIV, 1698-1702	300
(b) The Great Powers and Egypt, 1882-1888	—
(c) The Great Powers and the Balkans, 1908-1914	302
(d) Great Britain and the Paris Peace Conference of 1919	303
(e) The Manchurian Crisis, 1931-1933	304
(f) Anglo-German Naval Diplomacy, 1933-1939	305
8. <i>One of the following:</i>	
(a) International Institutions	587, 587a, 589-590
(b) International Economic History, 1850-1945 (This paper may be taken only by candidates who do not offer Economic History under 3)	268, 268a
(c) British-American-Russian Relations, 1815-1914	296
(d) For examination in 1971 only Africa in International Politics, 1870-1914	299
For examination in and after 1972 The Mediterranean in International Politics, 1815-1914	—
(e) The Baltic in International Politics since 1815	297, 297a
(f) International Socialism and the Problem of War, 1870-1914	298, 298a

XV. Geography

In addition to the written papers, the examination will include inspection by the examiners of the original notebooks and evidence of field work. Material specimens should not be submitted. The examiners simply require clear records of evidence that the candidate has received instruction in field work or has gained the necessary knowledge and experience by carrying out a programme of field work on his own initiative.

1. Economics	27, 27a
2. Economic Geography	204-208

First Degree Courses

	<i>Reference Nos. of Courses</i>
3. Economic and Regional Geography of the British Isles	190, 217
4. The Geography of an Approved Region: <i>one</i> of the following:	
(a) Africa	191-193
(b) Australia and New Zealand ¹	—
(c) Europe (excluding the U.S.S.R.)	194
(d) Latin America ¹	—
(e) Middle East ¹	—
(f) Monsoon Asia	196
(g) North America	197-198
(h) U.S.S.R.	195
5 and 6. <i>Two</i> of the following:	
(a) Political Thought	510-512
(b) Economic Statistics	928-931
(c) An Approved Modern Foreign Language <i>(Students at the School should normally have taken the language of their choice at A level or at Part I)</i>	376, 378-379, 386-387, 392, 401-402
(d) History:	
either (i) Economic History	261, 261a
or (ii) Political History	290, 290a
(e) Social Structure of Modern Britain	844-845
(f) Introduction to Analysis and Set Theory <i>(unless taken at Part I)</i>	903, 903a
(g) International Politics	581, 581a, 584, 605
(h) Economic and Political Systems (Social Anthropology) <i>(This paper may be taken only by candidates who have taken Principles and Methods of Social Anthropology at Part I or have completed course work in this subject to the satisfaction of the School)</i>	640, 644, 650
7 and 8. <i>Two</i> of the following:	
(a) Regional Analysis	209, 209a
(b) Historical Geography	214, 214(i)a
(c) Social Geography ¹	210
(d) Urban Geography	211
(e) Political Geography	219
(f) Man and his Physical Environment	184
(g) Geomorphology	199
(h) Economics and Geography of Transport	53-54a, 223
(i) An independent geographical essay, not exceeding 5,000 words, on an approved topic	—

¹There will be no teaching at the School for this paper in the session 1970-71.

First Degree Courses

	<i>Reference Nos. of Courses</i>
XVI. Philosophy	
1. Economics	27, 27a
2. <i>Either</i> (a) Political Thought	510, 512
or (b) Introduction to Modern Mathematics <i>(This paper may not be taken by candidates who have taken Basic Mathematics at Part I)</i>	900, 900b, 901
or (c) Introduction to Analysis and Set Theory <i>(unless taken at Part I)</i>	903, 903a
or (d) Introduction to Topology and Axiomatic Set Theory <i>(This paper may be taken only by candidates who have taken Introduction to Analysis and Set Theory at Part I)</i>	906-906b
3. <i>One</i> of the following:	
(a) History:	
either (i) Economic History	261, 261a
or (ii) Political History	290, 290a
(b) Philosophy and History of Science	486, 486a, 492, 506
(c) Elements of Statistical Theory and Methods <i>(This paper may not be taken by candidates who have taken Elementary Statistical Theory at Part I)</i>	917-919
4. <i>Either</i>	
(a) Moral and Political Philosophy	493, 501, 513-514, 835
or	
(b) Mathematical Logic	488, 488b, 491, 505
5. Logic and Methodology	425-426a, 488, 504
6. History of Modern Philosophy	489
7. Epistemology and Metaphysics	490, 494, 499, 503
8. <i>One</i> of the following:	
(a) Philosophy of Social Sciences	487, 500, 836, 840
(b) Philosophy and History of Science <i>(if not taken under 3)</i>	486, 486a, 492, 506
(c) Essay on a philosophical subject	—
(d) Dissertation, normally of 5,000 words, maximum 7,500, on a subject selected by the candidate in his final year, with the approval of the School, to be submitted through the School by 1 May preceding the final examination	—

The examiners shall be at liberty to test any candidate by means of oral questions. There will be no reference in either Part of the Examination.

A candidate who has satisfied the examiners at Part I of the examination and

First Degree Courses

who desires to proceed to Part II of the examination with a special subject for which his Part I alternative subjects do not qualify him, may apply for permission to proceed to Part II of the examination without being required to satisfy the examiners in one or more additional Part I alternative subjects. Each application will be considered on its merits. If the application is refused and such a candidate is required to take one or more additional Part I alternative subjects, he must do so before entering for Part II.

A candidate who has passed Part I of the B.Sc. (Econ.) degree may with the approval of the School be permitted to transfer to the B.Sc. degree in Mathematics in the Faculty of Economics with direct entry to the course of study and examination for Part II of the B.Sc. degree in Mathematics.

A candidate who has passed Part I of the B.Sc. degree in Mathematics in the Faculty of Economics may with the approval of the School be permitted to transfer to the B.Sc. (Econ.) degree with direct entry to the course of study and examination for Part II of the B.Sc. (Econ.) degree.

The classification for Honours will be based primarily on the candidate's performance in Part II of the examination, but the marks obtained in Part I may be taken into account.

Degree of Bachelor of Laws

The School provides a three-year course leading to the LL.B. degree of the University of London. The University regulations are not, however, the same for all the London colleges, and the pattern of the course is unique to students of the School. Subjects which are not exclusively legal have been introduced into the new syllabus, and an attempt has been made to break down the arbitrary boundaries between legal subjects. In addition, instruction in each subject is not always limited in length to one academic year, thus making it possible to emphasise the inter-relationship between different branches of the law.

The subjects which most L.S.E. students take are taught, both in lectures and classes, at this School, but, exceptionally, arrangements will be made for students to attend other colleges of the University for instruction in subjects not taught here.

The attention of students taking the LL.B. degree is drawn to the advantages and concessions granted in professional training (see page 228).

INTERMEDIATE EXAMINATION

The examination consists of written papers in subjects (a) to (e):

	<i>Reference Nos. of Courses</i>
a) Public Law I	417, 417a
b) Law of Contract I	418, 418a
c) Law of Tort I	419, 419a
d) Law of Property I	420, 420a
e) English Legal System	416, 416a
f) English Economic Institutions	24

First Degree Courses

Questions within the scope of course (f) may be set in any of these papers.

A candidate is eligible to present himself for the Intermediate Examination after having satisfactorily attended the prescribed course of study at the School extending over not less than one academic year.

The Intermediate examination is normally held twice each year, in May or June and in September. A candidate offering himself for examination for the first time may not postpone his entry to the examination until September.

A candidate who passes in four of the papers at an Intermediate examination and fails in the remaining paper may be referred in that paper; if he satisfies the examiners in the paper in which he has been referred at either of the two next following Intermediate examinations he is regarded as having passed the whole examination; otherwise he is required to take the whole of the Intermediate examination again.

In exceptional cases, with permission of the School, a candidate who fails to reach the minimum standard in two or more subjects in May or June, whether or not he has presented himself for all or any part of the examination, may be permitted to re-enter for the whole examination in September of the same year.

PART I EXAMINATION

The examination consists of four written papers in subjects (a) to (d):

	<i>Reference Nos. of Courses</i>
a) Public Law II	425, 425a
b) Law of Contract and Tort II	423, 423a
c) Law of Property II	424, 424a
d) Criminal Law	421-422
e) Law and Social Policy	426

Questions within the scope of (e) may be set in any of the foregoing papers.

The examiners may, if they think fit, set an additional essay paper covering matters within the scope of any of the Part I and Intermediate subjects.

A candidate is eligible to present himself for the Part I examination after having satisfactorily attended the prescribed course of study extending over one year subsequent to passing the Intermediate examination.

The Part I examination is normally held twice each year, in May or June and in September.

A candidate who passes three of the four Part I papers and fails in the remaining paper may be referred in that paper; if he satisfies the examiners in the paper in which he has been referred at either of the two next following Part I examinations he is regarded as having passed the whole examination; otherwise he is required to take the whole of the Part I examination again.

In exceptional cases, with permission of the School, a candidate who fails to reach the minimum standard in two or more subjects in June, whether or not he has presented himself for all or any part of the above examination, may be permitted to re-enter for the whole examination in September of the same year.

First Degree Courses

PART II EXAMINATION

A candidate is required to satisfy the examiners in

Jurisprudence	<i>Reference Nos. of Courses</i> 427, 427a
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He is also required to satisfy the examiners in other subjects to the value of three units selected from the following lists:

	<i>Reference Nos. of Courses</i>
(i)	
a) Law of Evidence	428, 428a
b) History of English Law	430, 430a
c) Public International Law	431, 431a
d) Conflict of Laws	432, 432a
e) Mercantile Law	434, 434a
f) Labour Law	435, 435a
g) Domestic Relations	436, 436a, 473
h) Administration of Estates and Trusts	433, 433a
i) Law of Business Associations	437, 437a
j) Administrative Law, with special reference to Local Government	429, 429a
k) Hindu Law	—
l) Mohammedan Law	—
m) African Law	—
(ii)	
a) Sentencing	439
b) International Protection of Human Rights	438(ii)
c) Law of Housing	440
d) Law Relating to Civil Liberties	438(i)
e) Law and the 'Underprivileged'	441

Each subject in list (i) shall have the value of one unit, while each subject in list (ii) shall have the value of one half-unit. A candidate may not select more than two subjects from list (ii). The subjects in list (ii) may be changed from year to year and all courses in both lists may not be available every year.

The Part II examination is conducted by written papers with the exception that a candidate who offers Administrative Law with special reference to Local Government, or Law and the 'Underprivileged', will be required, in that subject, to write an essay instead.

The examiners may, if they think fit, require any candidate at the Part II examination to present himself for an oral examination. An oral examination is compulsory for a candidate offering Administrative Law with special reference to Local Government or Law and the 'Underprivileged', and questions may extend to cover the wider background aspects of the essay.

A candidate is eligible to present himself for the Part II examination after having satisfactorily attended the prescribed course of study extending over not less than one academic year subsequent to passing the Part I examination.

The Part II examination is normally held once each year in May or June.

First Degree Courses

Degrees of Bachelor of Arts and Bachelor of Science

The School registers students for the B.A. degree in History, Language Studies, and Sociology, and for the B.Sc. degree in Geography, Mathematics, Social Anthropology, Social Psychology, and Sociology. In Sociology the courses and examinations for Branches I and III of the B.Sc. degree are identical with those for the B.A. degree. In the case of Geography the School co-operates with King's College in a joint school in which a full course is provided. In the case of the other subjects arrangements are made for students to attend such intercollegiate courses as may be necessary.

Applicants for admission to all these degree courses must satisfy the entrance requirements of the University of London. In addition, candidates must satisfy the appropriate 'course requirements'. Details of these requirements may be found on pages 138-9 and 141-3. Applications for admission from graduates will be considered on their merits.

The approved course of study for these degrees extends over three academic years except for the B.A. degree in Language Studies, which extends over four years, one of which is spent abroad.

B.Sc. in Social Anthropology

This degree is offered only at the London School of Economics.

Under new regulations introduced by the University for college-based degrees, the School devises its own courses and assigns to each of them a value expressed as a number of course units, a course unit being one-third of the amount of study which any adequately prepared student can reasonably be expected to complete in a year; that is to say, one-third of the total work load which every student who is capable of obtaining a degree at all should be able to manage.

To obtain the B.Sc. degree candidates must complete to the satisfaction of the School courses valued at a minimum of nine course units. In addition they must, during the course of the third year, submit one or two special essays to their tutors; these essays will be taken into account in the award of honours.

Teaching is arranged in courses of study each of which lasts a year. Candidates take three courses in each year. In the second and third years a number of alternatives may be chosen. Each course will usually be examined at the end of the year in which it is taken. The class of degree awarded will depend on the level of performance attained over the three years, and will not rest, as in the past, almost entirely on a Final examination.

The courses are as follows:

	<i>Course Units</i>	<i>Reference Nos. of Courses</i>
Part I		
1. Social Anthropology:		
A general introduction to the whole field of social anthropology, along the lines of the B.Sc. (Econ.) Part I course in Social Anthropology, but with greater attention paid to theory and methods	1	640, 640a

First Degree Courses

	<i>Course Units</i>	<i>Reference Nos. of Courses</i>
2. Race and Culture: Outlines of human evolution and culture history as they bear on the study of society	1	641, 641a
3. Elementary Ethnography: Study of ethnographic texts on selected primitive and peasant societies	1	642, 642a
Part II		
1. Studies of Kinship: Family, kinship and marriage in primitive and other non-industrial societies, with some attention to industrial societies	1	643, 643a
2. Political and Economic Institutions: The political, economic and legal organization of primitive and other non-industrial societies; problems and analysis	1	644(i)-(ii)a
3. <i>One of the following alternatives:</i>	1	
(a) Statistical and Survey Methods of Social Investigation		914, 914a, 933, 933a
(b) Elements of Economics: an elementary course in economic analysis		21, 21a, 22(i), (ii)
(c) Theories and Methods of Sociology: a course in the sociological approach to society		830, 831b, 832
(d) Psychological Approaches to the Study of Society: psychological anthropology. Psychological approaches to the study of culture, personality and language		698(i), (iii), 698c
(e) Logic and Scientific Method		485-487, 507
Part III		
1. Magic and Religion: The study of religious beliefs and ritual systems of primitive and other non-industrial societies	1	645, 645a
2. <i>One of the following alternatives:</i>	1	
(a) Advanced Ethnography: the advanced study of selected primitive and other non-industrial societies		646, 646a, 651, 651a
(b) Anthropological Linguistics:		
(i) Elementary Linguistics		360, 360b
(ii) Application of Linguistic Theory to Anthropological Problems		647, 647a
(c) Primitive Art: the anthropological study of visual art		649, 649a
3. Advanced Theory of Social Anthropology: The advanced study of social anthropological theory and method; the development of social anthropology	1	648, 648a

First Degree Courses

In addition, candidates will be required to write one or two *special essays* during the course of the year in order to test their knowledge of the whole field of social anthropology covered by the degree course.

Students will not be allowed to proceed to Part II or Part III without having taken Part I.

B.Sc. Geography

All registrations for the B.Sc. degree in Geography at the London School of Economics are made in the Faculty of Science and comply with the regulations of the University of London. The B.Sc. degree is college based; syllabuses vary from one college to another and the curriculum summarised below applies only to students registered at the London School of Economics. Courses are given in the Joint School of Geography at King's College and L.S.E. and students are taught in common by teachers from both colleges. However, separate teaching arrangements for part of the B.Sc. degree reflect differences in syllabus between the colleges and all students must take care to identify the courses needed to complete their specific degree requirements.

The syllabus is arranged on a basis of course units. One course unit is defined as a third of the amount of work which a student may reasonably be expected to complete in a year. It normally involves 50-70 hours of formal instruction and private study under guidance from course teachers. Students taking the B.Sc. in Geography at the London School of Economics are advised to take a total of ten course units over three years. Not more than four course units may be taken in the first year. A course is usually examined at the end of the year in which it is taken, though some second-year courses may not be examined until the end of the third year of study. The class of degree awarded depends on the level of performance attained in each of the three years and the assessment of candidates does not rest entirely on formal examinations.

The B.Sc. degree allows much freedom of choice in the selection and combination of courses. The optional subjects available allow for considerable specialisation in either the systematic or regional branches of Geography. Outside Geography, up to three course units may be chosen from other subjects, drawing from a wide range that includes Anthropology, British History, Demography, Economics, Economic History, International History, Geology, Mathematics, Modern Languages, Sociology and Statistics. Students will select courses for individual programmes of study after consultation with members of staff.

Field work is required of all students. The compulsory field courses normally last for a week and are taken annually in each of the Easter vacations. Certain course units in Geography involve additional field work.

The pattern of courses is as follows:

First Degree Courses

	Course Units	Course Unit Numbers	Reference Nos. of Courses
First Year			
Physical Geography	1	111	183
Human Geography	1	113	185-6
Spatial Analysis—I	1	191	187
One course unit outside Geography (see List C)	1	—	—
Field Studies (continued in 2nd and 3rd years)	½	600	—
Second and Third Years			
Compulsory courses			
British Isles	1	205	190
Any systematic course or courses from List A below	1	—	—
Any regional course or courses from List B below	1	—	—
Field Studies (continued)			
Optional courses			
Candidates must choose additional courses to bring their total number of course units up to 10 though, exceptionally, this total may be exceeded.			
The additional options may include:			
(i) Any other courses from Lists A or B			
(ii) Not more than 2 course units from List C (courses outside Geography)			
(iii) An independent Geographical Essay on an approved topic of not more than 5,000 words			
	Course Units	Course Unit Numbers	Reference Nos. of Courses
		610	—
List A			
1. Advanced Geomorphology—I	½	460	2 or 3 199, 202
2. Advanced Geomorphology—II (Students taking Advanced Geomorphology II must also take Advanced Geomorphology I)	½	461	2 or 3 200, 202
2a. Advanced Geomorphology III (Students taking Advanced Geomorphology III must also take Advanced Geomorphology I)	½	462	2 or 3 201-202
3. Meteorology and Climatology	1	266	2 203, 203a
4. Climatic Change ¹	½	367	3 204, 204a
5. Urban Climates	½	—	3 —
6. Economic Geography—I	½	481	2 or 3 204-205a, 208
7. Economic Geography—II	½	482	2 or 3 204, 206a, 208

¹This course will not be available in the session 1970-71.

First Degree Courses

	Course Units	Course Unit Numbers	Normally Taken in Year	Reference Nos. of Courses
8. Economic Geography—III	½	483	3	204, 207-208
9. Social Geography ¹	½	497	2 or 3	210
10. Urban Geography	½	395	3	211
11. The Urban System	½	496	2 or 3	212
12. Geography of Rural Settlement	½	—	2 or 3	213
13. Historical Geography: British Isles	½	485	2 or 3	214(i), (ia)
14. Historical Geography: Western and Central Europe	½	486	2 or 3	214(ii)
15. Biogeography—I	½	475	2	215
16. Biogeography—II (<i>Biogeography I is normally a prerequisite for II</i>)	1	476	3	216
17. Geography and Planning	½	498	3	217
18. History of Geographical Science and Discovery—I	½	—	2 or 3	218
19. History of Geographical Science and Discovery: Polar Exploration ¹	½	455	2 or 3	—
20. Political Geography—I	½	491	2 or 3	219
21. Political Geography—II (<i>Political Geography I is normally a prerequisite for II</i>)	½	492	3	220
22. Mathematical Geography and Surveying—I	1	—	2 and 3	—
23. Mathematical Geography and Surveying—II	1	—	2 and 3	—
24. Man and his Physical Environment	½	465	2 or 3	184
25. Spatial Analysis—II	½	292	2	188
26. Regional Analysis	½	480	2 or 3	209, 209a
27. Regional Development, with special reference to Canada	½	484	2 or 3	221
28. Historical Geography of the United States	½	487	2 or 3	—
29. Philosophy, Methodology and Explanation in Geography	½	397	3	225
List B				
1. Africa—I	½	441	2	191
2. Africa—II (<i>Africa I is normally a prerequisite for II or III</i>)	½	342	3	192
3. Africa—III	½	343	3	193
4. Europe: General	½	411	2 or 3	194(i)
5. Western Europe ^{1, 2}	½	412	2 or 3	194(ii)

¹This course will not be available in the session 1970-71.

²Students taking this subject must also attend Course No. 194(i) Europe: General Regional Geography.

First Degree Courses

	Course Units	Course Unit Numbers	Normally Taken in Year	Reference Nos. of Courses
6. West Central Europe ¹	½	413	2 or 3	194(iii)
7. West Mediterranean Europe ¹	½	414	2 or 3	194(iv)
8. Northern Europe ¹	½	415	2 or 3	194(v)
9. East Central Europe ¹	½	416	2 or 3	194(vi)
<i>N.B. Maximum on Europe 1½ course units</i>				
10. U.S.S.R.	½	431	2 or 3	195
11. Monsoon Asia	½	430	2 or 3	196
12. Latin America	½	423	2 or 3	—
13. North America—I	½	421	2 or 3	197, 197a
14. North America—II (North America I is normally a pre-requisite for II)	½	322	3	198, 198a
15. Middle East ²	½	—	2 or 3	—
16. Australia and New Zealand ²	1	451	2 or 3	—

In special cases students may be able to take courses available at colleges outside the Joint School with the permission of the convener of the department.

List C

Students are advised to take courses outside Geography in their first or second year whenever possible.

Courses outside Geography

Anthropology

	Course Units	Course Unit Numbers	Reference Nos. of Courses
1. Introduction to Social Anthropology	1	180/037	640, 640a
2. Race and Culture	1	180/036	641, 641a
3. Elementary Ethnography	1	180/403	642, 642a

Economics

51. Elements of Economic Analysis	1	340/001	21, 21a, 22(i), (ii)
52. Economics (<i>C51 is a prerequisite for C52</i>)	1	340/002	27, 27a

History

101. Industrialisation and the International Economy since 1830	1	480/100	261, 261a
102. English Economic History in its European Background from 1700 to the Second World War	1	480/101	264, 275

¹Students taking this subject must also attend Course No. 194(i) Europe: General Regional Geography.

²This course will not be available in the session 1970–71.

First Degree Courses

	Course Units	Course Unit Numbers	Reference Nos. of Courses
103. English History, 1530–1760	1	480/006	327–328
104. British History in the Nineteenth Century (<i>C103 is a prerequisite for C104</i>)	1	480/002	329–330
105. International History, 1815–1914	1	480/004	292, 308
106. International History since 1914	1	480/003	293, 308
Mathematics			
151. Basic Mathematics	1	550/001	900, 900a
152. Algebra and Methods of Analysis	1	550/002	902, 902a
153. Introduction to Analysis and Set Theory	1	550/003	903, 903a
Statistics			
201. Elementary Statistical Theory	1	790/001	917, 917a
202. Methods of Social Investigation	1	790/002	914, 914a, 933, 933a
Geology (King's College)			
Fundamentals of Geology	½	430/101	—
Stratigraphical Palaeontology	½	430/104	—
Stratigraphy and Sedimentation	1	430/201	—
World Stratigraphy	½	430/202	—
Economic Geology	½	430/206	—
Structural Geology	½	430/304	—
Advanced Economic Geology	½	430/308	—
Sedimentology	½	430/307	—
Oceanography	½	430/108	—
Demography			
251. Elements of Demographic Analysis	1	780/001	682–684a
Sociology			
301. Elements of Social Structure	1	780/003	830, 830a, 832
Social Administration			
303. Social Administration (<i>Elements of Economic Analysis is a prerequisite for Social Administration</i>)	1	780/004	720–722, 724, 726
Language Studies			
351. French Language I	1	750/001	By arrangement
352. French Literature in the Nineteenth and Twentieth Centuries (<i>French Language I is a prerequisite for French Literature</i>)	1	750/002	By arrangement

First Degree Courses

	<i>Course Units</i>	<i>Course Unit Numbers</i>	<i>Reference Nos. of Courses</i>
International Relations			
401. The International Political System	1	340/004	581, 581a
Psychology			
451. Psychological Aspects of the Study of Society	1	180/407	698(i), (iii), 698c

The School on the recommendation of the department of Geography may approve other courses.

B.A. Honours in History (Branch II: Mediaeval and Modern)

The examination will consist of nine papers:

	<i>Reference Nos. of Courses</i>
1. English History down to the end of the 14th century	325–326
2. English History from the beginning of the 15th century to the middle of the 18th century	327–328
3. British History from the middle of the 18th century	329–330
4 and 5. <i>Two</i> of the following papers:	
(a) European History from 400 to 1200	332
(b) European History from 1200 to 1500	331–332
(c) European History from 1500 to 1800	291, 334
(d) European History from 1800 (This paper will include questions on the relations of Europe with the rest of the world)	292–293, 333
6. History of Political Ideas—Section (a) European	
Section (a) will be divided into two subsections: (i) the recommended texts (ii) the relation of European political ideas to their historical context. Candidates must attempt at least one question from each subsection.	335–336
7. An Optional Subject	263–264, 295–297, 299, 337–339
8 and 9. A Special Subject	340–342

In addition to the above papers the School is required to certify that candidates have been examined by a paper containing passages for translation into English from a language or languages, required by the School and appropriate to Branch II, and that they may be allowed to proceed to the final examination. No candidate will be admitted to the final examination without this certificate. Candidates will be permitted to bring dictionaries for use in the college-based language examination. This examination will take place during the course of study.

Note The optional and special subjects are set out in the University of London *Regulations for First Degrees in the Faculty of Arts for Internal Students*. The School

First Degree Courses

normally provides lectures and classes for the optional subjects of English Economic History; Modern English Constitutional History from c. 1530–1914; and Diplomatic History, 1814–1945, and seminars or classes for the special subjects of Florence during the Renaissance, 1464–1512; The Economy of England, 1350–1500; and The Near Eastern Question, 1875–1881.

Language Studies

The School offers teaching for a number of two-subject combinations in the field of language studies within the framework of the combined studies degrees in the Faculty of Arts of London University.

The total number of places at the School for degrees in Language Studies is small, and all other things being equal preference is given to applicants for entry to combined courses in linguistics and one modern language. Entry to any particular two-language combination amongst those mentioned may not be possible in any given year.

Emphasis in the department is on the linguistic and social rather than on the aesthetic and literary aspects of languages, and where the University syllabus permits a choice, students of the School will be expected to select accordingly. Students taking two languages will be required to attend courses in General Linguistics and Phonetics.

The normal duration of all B.A. degrees in Language Studies at the School is *four* years, the third year being spent abroad. Candidates for degrees in certain subject combinations may be permitted to take a limited number of examination papers at the end of their penultimate year.

Supervisors will advise students on the choice of options and will recommend appropriate courses from the Language Studies section in Part III of this Calendar (Courses Nos. 360–406).

B.A. (Combined Subjects) in Linguistics and one Modern Language

The subjects for examination shown in the following tables are numbered differently in this calendar from the list of subjects given in the University regulations.

French and Linguistics

	<i>Reference Nos. of Courses</i>
1. Principles of Linguistics, descriptive, comparative and historical	360, 360a, 367
2. General Linguistic Theory I: grammar, semantics	360, 360a, 362–363, 366–367
3. General Linguistic Theory II: phonetics, phonology	361–361b, 363, 367
4 and 5. <i>Two</i> of the following:	
(a) Historical Linguistics	—
(b) Linguistics and Language Teaching	365

First Degree Courses

	<i>Reference Nos. of Courses</i>
(c) Sociolinguistics: language and the community	—
(d) Psycholinguistics: language and the individual	364
(e) Phonetics	—
(f) Linguistic Typology and Language Classification	—
6. Translation from and into French	374–375, 377
7. Essay in French	374–375
8. History of the French Language	369
9. Nineteenth and Twentieth Century French Literature	370–373
10. A special subject in French	380

There is also a practical test in Phonetics and a French oral examination.

German and Linguistics

	<i>Reference Nos. of Courses</i>
1. Principles of Linguistics, descriptive, comparative and historical	360, 360a, 367
2. General Linguistic Theory I: grammar, semantics	360, 360a, 362–363, 366–367
3. General Linguistic Theory II: phonetics, phonology	361–361b, 363, 367
4. Translation from and into German	389–390
5. The German Language and <i>four</i> of the following, including at least <i>one</i> chosen from papers 6–11, and at least <i>two</i> from papers 12–15	388
6. Historical Linguistics	—
7. Linguistics and Language Teaching	365
8. Sociolinguistics: language and the community	—
9. Psycholinguistics: language and the individual	364
10. Phonetics	—
11. Linguistic Typology and Language Classification	—
12. Essay in German	391
13. The Middle High German Classical Period	—
14. For examination in 1971 only German Literature, 1830 to the present day	—
For examination in and after 1972 German Literature from 1830 to 1890	393
15. The Age of Goethe	—
16. For examination in and after 1972 German Literature, 1890 to the present day	—

There is also a practical test in Phonetics and a German oral examination.

First Degree Courses

B.A. Honours (Combined Subjects) in two Modern Languages

The School provides teaching at present in French/Spanish, French/Russian, German/French, German/Russian and German/Spanish. Syllabuses for these courses, where already approved, are given in the University of London *Regulations for First Degrees in the Faculty of Arts for Internal Students*.

A B.A. degree in Russian and Linguistics will be offered at the School in the session 1970-71.

B.Sc. Mathematics

The course of study is designed to give students a sound education in Pure Mathematics and also to give an opportunity for developing an interest in and knowledge of some branch of the social sciences or of a field of study with an important bearing on the social sciences.

Course of Study

A student shall be eligible to present himself for Part I of the examination after having satisfactorily attended approved courses extending over one academic year, and for Part II after having satisfactorily attended approved courses extending over a further two academic years.

The examination is divided into two parts, and a candidate is required to pass Part I before he enters for Part II.

Part I

The examination consists of five papers, as follows:

	<i>Reference Nos. of Courses</i>
1. <i>Either</i> (a) Economics	21–22
<i>or</i> (b) Introduction to Mathematical Economics	23, 23a
2. Introduction to Analysis and Set Theory	903, 903a
3. Algebra and Methods of Analysis	902, 902a
4. Further Algebra and Theory of Probability	904, 904a
5. <i>Either</i> (a) Elementary Statistical Theory	917, 917a
<i>or</i> (b) Introduction to Logic	488, 488a

Transfer between B.Sc. in Mathematics and B.Sc. (Econ.)

A candidate who has passed Part I of the B.Sc. degree in Mathematics in the Faculty of Economics may with the approval of the School be permitted to transfer to the B.Sc. (Econ.) degree with direct entry to the course of study and examination for Part II of the B.Sc. (Econ.) degree.

A candidate who has passed Part I of the B.Sc. (Econ.) degree may with the approval of the School be permitted to transfer to the B.Sc. degree in Mathematics in the Faculty of Economics with direct entry to the course of study and examination for Part II of the B.Sc. degree in Mathematics.

First Degree Courses

Part II

The examination consists of eight papers as follows:

	<i>Reference Nos. of Courses</i>
1 and 2. Real Variable, Analysis and Mathematical Methods	905-906b, 910, 910a
3. Algebra and Complex Analysis	907-908b, 911, 911a
4. Theory of Probability	909, 909a
5, 6, 7 and 8. <i>Four papers chosen from options (a) to (k).</i>	
Students interested in Statistics should include options (a), (b) and (c).	
Students interested in Computing should include options (c), (d) and (e).	
Students interested in Economics should choose options (a), (f), (g) and (h).	
Students interested in Sociology should choose four from (a), (c), (i), (j) and (k).	
(a) Probability, Distribution and Sampling Theory	920-921a, 925-926
(b) Theory of Statistical Methods	922-924
(c) Numerical Methods and Programming	940, 943-944a, 984
(d) Elements of Computer Science	938-940a, 975, 984
(e) Management Data Processing	133, 133a, 141, 945-945b, 985-988
(f) Mathematical Economics I	36, 36a
(g) Mathematical Economics II	37, 37a
(h) Econometric Theory	34, 34a
(i) Social Statistics and Survey Methodology	924, 934-935
(j) Demography II	680-681, 684-686
(k) Social Structure of Modern Britain	844-845

Students of the School are subject to the following restrictions: option (e) cannot be taken without (d); (j) cannot be taken without (c), and in both cases attendance at a course in Fortran is necessary. Further, (f) may be taken only by those who have taken Introduction to Mathematical Economics at Part I and (g) may be taken only by those taking (f).

Subject to the approval of the School students may choose options not included in the above list when they are available.

Students will be required to submit their choice for approval at the end of the session in which they complete Part I.

The examiners shall be at liberty to test any candidate by means of oral questions.

There will be no reference in either part of the examination.

The classification for Honours will be based primarily on the candidate's performance in Part II of the examination, but the marks obtained in Part I may be taken into account.

First Degree Courses

B.A. Honours in Philosophy and Economics¹

The examination will consist of eight papers. Candidates must take papers 1, 3, 4, 5, 6, 9 and any two of the papers 2, 7 and 8.

	<i>Reference Nos. of Courses</i>
*1. Modern Philosophy from Bacon and Descartes to Kant	—
*2. Epistemology and Metaphysics	490, 494, 499
*3. Logic and Methodology	486-487
4. <i>Either (a) Ethics</i>	—
<i>or (b) Political Philosophy</i>	—
<i>or *(c) Moral and Political Philosophy</i>	493, 501, 512-513, 835
<i>(Students at the School are advised to take this option rather than 4 (a) or 4 (b))</i>	
5. Economic Principles	—
6. Problems of Applied Economics	28(iv), (v)a
7. History of Economic Thought	30, 30a
8. Modern Economic History, c. 1850-1939	—
9. <i>Either (a) An Essay (Topics will be selected from the syllabuses of all papers, including 9 (b) and 9 (c))</i>	—
<i>or *(b) Philosophy of the Social Sciences</i>	487, 500
<i>or *(c) The Philosophy and History of Science</i>	486, 492, 507
<i>or (d) Dissertation on a subject selected by the candidate in his final year, with the approval of the School. It should normally be of 5,000 words, with a maximum of 7,500, and must be submitted through the School by 1 May preceding the Final examination</i>	—

Candidates are required to state the option offered under 9 when they enter for the examination.

The examiners shall be at liberty to test any candidate by means of oral questions.

* For students at the School the syllabus of this paper is identical with that of the corresponding paper in Part II of the B.Sc. (Econ.) special subject XVI Philosophy.

B.Sc. Social Psychology

The B.Sc. in Social Psychology is especially concerned with the study of individual and social behaviour and differs in its emphasis from many other degrees in psychology. While teaching general psychology in depth, the course for the degree gives more prominence than is customary to the study of social psychology and personality and seeks to integrate these fields with general psychology as well as with an understanding of society derived from sociology and anthropology.

¹Only for candidates registered before October 1969.

First Degree Courses

The degree covers the study of learning, perception, thinking and language, emotion, personality and child development, the social psychology of attitudes, and groups and organizations.

To allow candidates for the degree maximum flexibility in their choice of subject it is organized on the basis of course units and candidates are normally required to complete eleven of these during the three years. There is considerable variation in the amount and form of teaching which makes up a course, but as a general rule a course that has a value of one unit will take from fifty to seventy hours of formal teaching and private study under the guidance of a teacher.

Most courses in psychology include work in the laboratory or the field. Candidates will be required to undertake field work in two vacations; it might take the form of working with a member of staff on his research or gaining experience in a relevant institution. In the final year each candidate is required to carry out a research project under the supervision of a member of staff.

About a quarter of a candidate's time will be spent on subjects outside psychology. Since the study of society and its institutions is an essential part of the training of a social psychologist, all students are required to take courses in sociology and/or anthropology. In the second year the candidate can take, after consultation with his tutor, either further courses in sociology or anthropology or study in other fields e.g. philosophy, economics, mathematics, or urban geography.

In addition to the courses set out below a candidate for the degree is required to attend a small number of courses on specific topics such as statistics, the history of psychology and the methodology of the social sciences; these courses are designed to enable a candidate to see social psychology in proper perspective. They will not be separately examined.

The normal structure of the course for the degree will be as follows: in the first year a candidate will take courses valued at four course units. In his second year a candidate will again take courses valued at four course units. Two of these eight course units taken in the first two years will be in subjects outside psychology. In the third year the candidate takes a course in which an area of study is examined on an interdisciplinary basis. The candidate is also able to select within psychology from a variety of options offered. Some of these options may be taught at other colleges of the University of London and will be open to candidates for the B.Sc. in Social Psychology at the discretion of the teachers concerned with the courses.

The level of Honours awarded to a candidate will be determined largely by the assessments and examinations of courses taken in the second and final years. Less weight will be given to the assessment of performance in the first year.

The courses are as follows:

	<i>Course Units</i>	<i>Reference Nos. of Courses</i>
First Year		
1. Biological Foundations of Psychology	½	697, 697a
2. Introduction to General and Social Psychology	1	695, 695a
3. Foundations of Experimental Psychology	1	696, 696a, 917
4-6. Courses in other disciplines: see list below		

First Degree Courses

	<i>Course Units</i>	<i>Reference Nos. of Courses</i>
Second Year		
1. Personality, Motivation and Development	1	701, 701a
2. Perception and Skill	1	702, 702a
3. Social Psychology: Attitudes and Cognition	½	698(i), (ii), 698a
4. Methods and Assumptions of Social Psychological Research	½	699, 699(ii)a, 703, 993
5. Learning, Remembering and Thinking	½	700, 700a
6. Courses in other disciplines: see list below		

Third Year

1. Advanced Social Psychology	1	
2. Research Project <i>or</i> Dissertation	½	
3-5. Optional Studies: to be selected from:	1½	
(a) Selected problems as viewed from the standpoint of Psychology and one other discipline e.g. Sociology, Linguistics, Social Anthropology, Statistics: see list below		
(b) Options within Psychology:		
Advanced Studies of:		
Communication, Attitude Change and Innovation		
Language, Thought and Communication		
Social Psychology of Industrial and other Organizations		
Personality and Child Development		
Groups and Group Functioning		
Social Psychology of Education		
Social Psychology of Conflict		
Psychological Measurement		
Clinical Psychology		
Comparative Psychology		
Developmental Psychology		
Experimental Psychology		

Courses in other disciplines	<i>Course Units</i>	<i>Available in Year</i>	<i>Reference Nos. of Courses</i>
1. <i>Either</i> (a) Introduction to Social Anthropology <i>or</i> (b) Social Anthropology (Elementary Introduction)	1	1	640, 640a
2. <i>Either</i> (a) Introduction to Sociology <i>or</i> (b) Sociology (Elementary Introduction)	1	1 or 2	640, 650
3. Introduction to Economics	½	1 or 2	830, 830a, 832
4. Political Institutions of Simpler Societies (<i>Course 1(a) is a prerequisite</i>)	½	1 or 2	830, 830a
5. Economic Institutions of Simpler Societies (<i>Course 1(a) is a prerequisite</i>)	½	2	21, 21a
			644(ii), (ii)a
			644(i), (i)a

First Degree Courses

	Course Units	Available in Year	Reference Nos. of Courses
6. Theories and Methods of Sociology (Either Course 2(a) or Course 2(b) is a prerequisite)	½	2	840
7. Introduction to Linguistics Some of these options will be taught on an intercollegiate basis and not every option will be offered each year.	½	1 or 2	360, 360a

Degree of Bachelor of Science (Sociology)

Students who have obtained the B.A. Honours degree in Sociology or the B.Sc. (Econ.) degree with special subject IX Sociology or special subject XIII Social Anthropology at Part II of the examination will not be permitted to proceed to the B.Sc. (Soc.) degree.

Two Branches of the degree are taught at the School, Branch I and Branch III. There will be no new registrations for Branch II; each Branch constitutes a distinct course.

Branch I

The examination will consist of ten written papers as follows:

	Reference Nos. of Courses
1. Theories and Methods of Sociology	830, 830a, 832, 836, 840-842
2. Statistical Methods in Social Investigation	857-858, 916, 916a, 916b(ii), 933
3. Comparative Social Institutions	640, 843, 843a
4. Ethics and Social Philosophy	834-835, 837a, 837b
5. Social Psychology	695(i), (iii), 695b, 698(i), (iii), 698b, 743
6. Economics	21-22, 27, 27a
7 and 8.	

Either

(a) Social Structure of Modern Britain (2 papers)	266, 844-845
or (b) Graeco-Roman Civilisation (2 papers)	846b
or (c) European Civilisation in the Middle Ages ¹ (2 papers)	—
<i>(Some other society or group of societies may be offered as an alternative for papers 7 and 8 with the permission of the University)</i>	

9 and 10. Any two of the following:

(a) Social Structure and Social Change	847, 847a
(b) Social Policy and Social Administration	720-726
(c) Comparative Morals and Religion	848, 848a
(d) Criminology	852-855
(e) Demography	682-684a, 877
(f) Political Sociology	849-849b
(g) Industrial Sociology	348, 850-851
(h) General Principles of Cultural and Social Anthropology	640, 650
(i) For examination in and after 1972 Sociology of Education	856, 856a

¹There is no teaching for this subject at the School.

First Degree Courses

Reference Nos. of Courses

Branch II¹

The examination will consist of ten written papers as follows:

1. Theories and Methods of Sociology	836, 841
2. Comparative Social Institutions	843, 843a
3. Ethics and Social Philosophy	—
4. Economics	—
5. General Principles of Cultural and Social Anthropology	643, 650
6. Economic and Political Systems	644
7. Moral and Ritual Systems	645
8. Ethnography of a Special Area	646
9. Development of Social Anthropology (with special reference to selected texts)	648
10. One of the following:	
(a) Social Psychology	698(i), (iii), 698b
(b) Demography	683, 684a
(c) Statistical Methods in Social Investigation	916b(ii), 933
(d) Social Structure and Social Change	847a
(e) Political Sociology	849(ii), 849b

Note In addition students are advised to attend Course No. 642.

For Branches I and II the examination will be divided into Part I and Part II. A candidate will be required to sit Part I at the end of the second year and Part II at the end of the third year, and to satisfy the examiners in both Parts. A candidate must satisfy the examiners in Part I before proceeding to Part II. A minimum period of one session must elapse before a candidate, successful in Part I, may present himself for Part II.

Branch I. The Part I examination will consist of 2. Statistical Methods in Social Investigation, 4. Ethics and Social Philosophy, and 6. Economics.

Branch II. The Part I examination will consist of 3. Ethics and Social Philosophy, 4. Economics, and 8. Ethnography of a Special Area.

The examiners shall be at liberty to test any candidate by means of oral questions.

Branch III

The examination will consist of seven written papers and a dissertation:

	Reference Nos. of Courses
1. British Social History in the 19th and 20th Centuries	734-735a
2. British Political, Administrative and Legal Institutions	417, 736-737a
3. Economics	20, 44, 739-740, 741b

¹Only for students registered before October 1969.

First Degree Courses

	Reference Nos. of Courses
4. British Social Policy and Administration	426, 720-726, 747
5. Social Investigation ¹	916, 916a, 916b(i), 933, 933b
6. Social Theory ¹	746d, 830, 832-833, 844
7. One of the following:	
(a) Central and Local Government Administration	526, 531, 548, 727
(b) Social Structure and Social Policy in Societies undergoing Industrialisation	7, 8, 652, 730b, 731
(c) The Structure of Social Security	—
(d) The Family in Law and in Society	738, 738a
(e) Industrial Sociology	348, 850-851
(f) Criminology	852-855
8. A dissertation, normally limited to 5,000-7,000 words, to be presented not later than 1 February in the year in which the examination will be taken. The subject of the dissertation must be approved by the University. The dissertation will be classed as one paper in the examination. Candidates offering optional subject 7 (a) Central and Local Government Administration, will not be permitted to choose a dissertation subject which falls within the field of the selected development for special study prescribed by the regulations for the year in which they will present themselves for the examination.	

The examiners shall be at liberty to test any candidate by means of oral questions.

B.A. Honours Degree in Sociology

For Branches I and III this degree is identical, except in title, with the B.Sc. (Soc.) degree described on pages 224, 225-6.

¹These papers will include questions on Psychology. Students should refer to Courses Nos. 695(i), (iii), 698(i), (iii), 744, 745a.

Advantages and Concessions in Professional Training

Advantages and Concessions in Professional Training Granted to Holders of First Degrees

ACCOUNTING

Institute of Chartered Accountants

In order to qualify as a chartered accountant, a period in articles with a firm of chartered accountants is necessary. Holders of a first degree normally have this period reduced to three years. Full particulars may be obtained from the Secretary, Institute of Chartered Accountants in England and Wales, Chartered Accountants Hall, Moorgate Place, EC2R 6EQ.

Graduates who have taken an 'approved degree' are entitled also to exemption from the Institute's intermediate examination provided that they pass the final degree examination at the first attempt. At the University of London, the course leading to the 'approved degree' is the course for the B.Sc. (Econ.) with the special subject Accounting and Finance. Further information is given in the pamphlet *Degree Studies and the Accountancy Profession* (obtainable from the Institute and also from the Registrar of the School).

Experience has shown that students from overseas often have difficulty after graduation in getting articles with a firm of professional accountants in Britain. Such students would therefore be greatly helped if they could obtain an offer of articles from a suitable firm before beginning their studies.

Association of Certified and Corporate Accountants

Students of the Association are not compelled to serve under articles of clerkship, but may as an alternative obtain experience of an approved accounting nature in the finance or accounting departments of a commercial or industrial company, one of the nationalised industries, in national or local government or in the office of a practising accountant (not under articles).

The period of articles or approved training for graduates is three years. Those who have taken the 'approved degree' (B.Sc. (Econ.) with the special subject Accounting and Finance, are entitled to complete exemption from Sections I and II of the Professional Examination and to certain additional exemptions from papers in Sections III and IV provided that they have taken the appropriate option in their second and third years.

Further information may be obtained from the Secretary of the Association, 22 Bedford Square, London, WC1B 3HF.

Institute of Cost and Works Accountants

B.Sc. (Econ.) graduates with the special subject of Accounting and Finance are entitled to exemption from the whole of the Part I and Part II examinations of the Institute of Cost and Works Accountants.

B.Sc. (Econ.) graduates, irrespective of their special subject, are entitled to exemption from the following three subjects of the Institute's Part I examination:

- Industrial Administration
- Economics
- Book-keeping

Advantages and Concessions in Professional Training

B.Sc. (Econ.) graduates who have offered Labour, including Elements of Labour Law, and Commercial Law in Part II of the final examination are entitled to exemption from Industrial and Commercial Law in Part III of the Institute's examination.

Institute of Municipal Treasurers and Accountants

The Institute's professional examinations fall into three parts: Intermediate, Final Part 1 and Final Part 2. Graduates may be granted subject for subject exemptions on the basis of papers taken at the degree examinations.

Further information may be obtained from the Secretary, Institute of Municipal Treasurers and Accountants, 1 Buckingham Place, London, S.W.1. Telephone: 01-834 6433.

LAW

The Bar

The Council of Legal Education may grant to a student who has obtained a degree in law from a university in England or Wales exemption from entering for the whole of Part I of the examination for call to the Bar or from entering for part of that examination. The conditions under which such exemptions may be obtained are set out in the Consolidated Regulations of the Honourable Societies of Lincoln's Inn, the Inner Temple, the Middle Temple, and Gray's Inn. Full details may be obtained from the Council of Legal Education, Gray's Inn Place, London, WC1R 5DX.

The Profession of Solicitor

Candidates seeking to qualify as solicitors must serve under articles of clerkship to a practising solicitor and pass the Law Society's examinations. The normal period of articles is five years, but for candidates who have taken a degree at an approved university the period is reduced to two-and-a-half years. Any first degree of the University of London entitles the holder to this reduction. In the case of law graduates the period for articles is reduced to two years.

In most cases law graduates are wholly exempt from Part I of the Law Society's qualifying examination and may sit for Part II of the qualifying examination before entering into articles. Holders of degrees in subjects other than law may sit for both Parts of the Law Society's qualifying examination before entering into articles. Further details may be obtained from The Law Society, 113 Chancery Lane, London, WC2A 1PL.

The Actuarial Profession

Students who have obtained the B.Sc. Mathematics degree, or the B.Sc. (Econ.) degree with Algebra and Methods of Analysis in Part I and Statistics in Part II with Actuarial Statistics as an optional subject *may* be granted exemption from the Joint Preliminary Examination in Mathematics and from certain papers in other parts of the examinations of the Institute of Actuaries, depending on the standards reached in the degree examination. Further particulars may be obtained from The Institute of Actuaries, Staple Inn Hall, High Holborn, London, WC1V 7QJ.

Students intending to enter the actuarial profession are advised to communicate with the Institute at an early stage in the degree course.

Regulations for Diplomas Awarded by the School

The School awards the following diplomas:

- (1) Diploma in Development Administration
- (2) Diploma in Social Administration:
 - (a) One-year Course for Graduates
 - (b) Two-year Course for Non-Graduates
- (3) Diploma in Personnel Management
- (4) Diploma in Social Work Studies
- (5) Diploma in Statistics

The School reserves the right at all times to withdraw or alter particular courses and course syllabuses.

(1) Diploma in Development Administration

The London School of Economics and Political Science, with support from the Ministry of Overseas Development, offers a course in Development Administration which has special reference to the needs of the 'developing' countries.

It is designed for men and women who work in the civil service, public corporations or suitable types of business in relatively low-income countries. One of the purposes of the course is to assist a student to stand outside the immediate circumstances of his own country and to consider general questions about the methods and organisation of development. He will be encouraged to examine the policies and methods of western countries, and to assess for himself their suitability for his own country's problems.

Though western ideas, institutions and experience are drawn on extensively in the teaching, they are viewed in terms of their possible application to the problems of less developed areas. If required, opportunity will be provided during the course for students to spend short periods in central or local government departments, or some other administrative agency in which they may be interested.

Members of the course will normally be university graduates who have had several years' experience of administrative work. Admission may also be offered, in special circumstances, to candidates otherwise well qualified who do not hold degrees, or to graduates who have had no practical experience, but are taking up administrative appointments. A small number of students from western countries may be admitted. The number of students to be admitted in any one year will, however, be limited.

The course covers one academic year and runs from late September until the beginning of July.

The course will cover the following subjects:

- (a) Governmental aspects of development
- (b) Social aspects of development
- (c) A third field of concentration

Regulations for School Diplomas

The alternatives offered under (c) will normally include Local Government and Community Development and Aims and Methods of Governmental Planning. The availability of each specialisation will depend upon individual qualifications.

At the end of the course, a paper will be set in each of the three branches of study. Suitably qualified persons will be allowed to substitute for one of the papers a dissertation on some specialised topic within the field of development administration.

Those who satisfy the examiners will be awarded a Diploma by the School.

The syllabus will be treated in a series of special lectures and classes accompanied by an interdisciplinary seminar, but members of the course will also be encouraged to attend a variety of other lectures and seminars, selected to meet their particular needs. Examples of lecture courses which may be of particular interest are given on pages 301-2 in Part III of the Calendar.

Applications for admission to the course should be sent by 15 April to the Assistant Registrar (Admissions), London School of Economics and Political Science, Houghton Street, Aldwych, London, WC2A 2AE.

Regulations

1. There shall be a Diploma in Development Administration which shall be awarded to persons who, having completed the course of study prescribed by these regulations, have satisfied the examiners in the examination for the Diploma.
2. No person shall be admitted to the prescribed course of study for the Diploma unless:
 - (a) he shall have attained the age of 21 years on or before 1 October of the calendar year in which he is admitted;
 - (b) either (i) he shall be a graduate of a university
or (ii) he shall, in the opinion of the tutors to the course, have practical experience or other qualifications of special relevance to the course.
and (c) he shall have had not less than two years' experience of administrative work, unless the tutors to the course should waive this condition.
3. The prescribed course of study shall be of one academic year's duration.
4. There shall be an examination for the Diploma, to be held in the Summer term of each year on dates to be determined by the tutors to the course. Candidates will normally take papers in three subjects:
 - (i) Governmental Aspects of Development
 - (ii) Social Aspects of Development
 - (iii) Special subject to be chosen in accordance with the candidate's qualifications and interests. Examples of subjects that could be chosen are:
Local Government and Community Development *or* Aims and Methods of Governmental Planning.The choice of special subject shall be approved by the tutors, after consultation with the candidates.
5. Candidates who have sufficient qualifications and have shown appropriate abilities may be allowed to substitute, for one of the papers, a dissertation upon some aspect of development administration. This substitution shall depend upon the tutors' agreement, and the form and length of the dissertation shall be settled by the tutors.

Regulations for School Diplomas

6. In assessing a candidate's performance the examiners shall have regard to the essays or other work written by the candidate in the first two terms of the course.

7. The examiners may test any candidate by means of oral questions.

8. A mark of distinction shall be awarded to candidates who show exceptional merit.

9. The examination shall be conducted by such members of the staff of the School as may be designated as internal examiners in each year by the Director, together with one external examiner. The external examiner shall be a person who, at the time of the examination, is not a member of the staff of the School. He shall be appointed by the Academic Board and shall be eligible for reappointment for two further years, but for three calendar years thereafter shall not again be eligible for appointment.

10. In order to satisfy the examiners in the examination a candidate shall be required to reach in each paper a standard prescribed by them.

11. Candidates who are unsuccessful in the examination as a whole shall receive a certificate of attendance, on which shall be recorded those parts of the examination, if any, in which they have passed.

12. A candidate who, for reasons which in the opinion of the Director are sufficient, fails to present himself for examination or who presents himself, but fails to satisfy the examiners, may be a candidate for the whole of the examination on one, but not, without the special permission of the examiners, more than one further occasion.

13. The examiners may recommend for an aegrotat any candidate who, having completed not less than half of the examination, has made application, supported by a medical certificate, to the Academic Secretary, and who, in such part of the examination as he has taken, has, in the judgment of the examiners, shown himself to be qualified for the award of the Diploma. The recommendation of the examiners shall be considered by the Academic Board.

(2) Diplomas in Social Administration

The School offers courses of study for full-time day students leading to a Diploma in Social Administration. The courses are designed to give a broad general education in the social sciences. Students who wish to prepare themselves to work as professional social workers after this course of study normally proceed to a course of training leading to a professional qualification.

The teaching for the Diploma combines theoretical study of the social sciences and practical experience in the fields of social administration, social work and social research. The curriculum includes lectures and classes in Economic and Social History, Economics, Psychology, Sociology, Social Anthropology and Social Policy and Administration. Each student is assigned to a tutor who is responsible for the general supervision of his studies. For tutorials and classes the students are required to do regular written work. Variations are made in the course to meet the needs of students who are preparing to work in the low-income countries.

Field work in both statutory and voluntary agencies is arranged with the aim both of helping the students to gain a better appreciation of social conditions and social problems and of giving them an introduction to the practice of social work. This is undertaken during vacations. In their own interests students are advised to gain some experience outside London, and this may involve additional expense.

Regulations for School Diplomas

Diploma for Graduate Students

The full-time course for the Diploma for graduate students covers one academic year. Candidates are required to undertake a minimum of twelve weeks' full-time field work as an integral part of the course, six weeks of which must be done before the beginning of the Michaelmas term and six weeks during the Easter vacation.

Candidates are required to take one paper in each of the following subjects:

	<i>Reference Nos. of Courses</i>	
	<i>U.K.</i>	<i>Overseas</i>
1. Social Policy and Administration	720-6, 732-3	7, 8, 720-6, 728-730b, 732-3
2. The Economic and Social Background to Social Policy and Administration	20, 26, 44, 739, 741a, 914, 935	20, 83, 640, 652, 739, 741a
3. Psychology and Social Structure	695(i), (iii), 742-4 745b, 746b, 830, 832, 844, 852, 854	695(i), (iii), 743-4, 745b, 746c, 830, 832, 852

Candidates are required to pass in all of these subjects, and, in addition, they must reach the required standard in their field work.

Applicants for admission to the course for the Diploma in Social Administration for graduate students must have attained the age of 21 by 1 October in the year for which they seek admission and they must be graduates of a university.

Admission for British graduates will be determined by interview and relevant documentary evidence. Application must be made by 1 March preceding the session for which admission is desired, but interviews will be given in the Christmas vacation for candidates who apply by the middle of November, and during the Lent term for those who apply by the middle of January.

Graduates of overseas universities must apply by 31 January if they are applying from overseas and by 1 March if they are in the United Kingdom. They should have had practical experience of at least one year's duration, preferably in their own country, in the social welfare field or in other relevant work. They are normally required to take an entrance examination, for which there is a fee of £1, and they may be called for interview; if necessary, arrangements can be made for the examination and the interview to take place overseas. Overseas graduates of a British university are not required to take the entrance examination, but they should have had the year's practical experience. The Diploma course is adapted to meet the needs of students, both from the United Kingdom and from overseas, who intend to work outside the United Kingdom, and separate papers for these students are set in the examination for the Diploma. British graduates who wish to follow this 'overseas option' should have had a year's practical experience in an overseas country.

Application forms may be obtained from the department of Social Science and Administration.

Regulations

1. There shall be a Diploma in Social Administration which shall be awarded to persons who, having completed the course of study prescribed by these regulations, have satisfied the examiners in the examination for the Diploma and in the field work prescribed by these regulations.

Regulations for School Diplomas

2. No person shall be admitted to the prescribed course of study for the Diploma unless:

- (a) he shall have attained the age of 21 years on or before 1 October of the calendar year in which he is admitted;
- and (b) he shall be a graduate of a university.

3. The prescribed course of study shall be of one academic year's duration.

4. A candidate will be required to undertake twelve weeks' full-time field work during vacations as an integral part of the course. Six weeks of this shall normally be undertaken before the beginning of the course of study.

5. There shall be an examination for the Diploma, to be held in the Summer term of each year on dates determined by the convener of the department of Social Science and Administration, hereinafter referred to as the convener of the department. The examination shall comprise the following papers:

- (1) Social Policy and Administration
- (2) The Economic and Social Background to Social Policy and Administration
- (3) Psychology and Social Structure

6. In each subject of the examination a separate paper shall be set for students from overseas.

7. The examination shall be conducted by such members of the staff of the department of Social Science and Administration as may be designated as internal examiners in each year by the Director, together with one external examiner. The external examiner shall be a person who, at the time of the examination, is not a member of the staff of the School. He shall be appointed by the Academic Board and shall be eligible for reappointment for two further years, but for three calendar years thereafter shall not again be eligible for appointment.

8. In order to satisfy the examiners in the examination a candidate shall be required to reach in each paper a standard prescribed by them; provided that if a candidate reaches the prescribed standard in each of two papers and the examiners do not consider his failure in the third to be serious they may, at their discretion, declare him to be referred in that paper.

9. A candidate may offer on not more than two subsequent occasions a paper in which he has been referred, of which the first occasion shall not normally be more than two, nor the second normally more than four academic years later than the occasion of the candidate's referral. If on one of those occasions he is successful in attaining the prescribed standard in that paper he shall be treated as having then satisfied the examiners in the whole examination.

10. The examiners may test any candidate by means of oral questions.

11. A mark of distinction shall be awarded to candidates who show exceptional merit.

12. The examiners may recommend for an aegrotat any candidate who, having completed not less than half of the examination, has made application, supported by a medical certificate, to the Academic Secretary, and who, in such part of the examination as he has taken, has, in the judgment of the examiners, shown himself

Regulations for School Diplomas

to be qualified for the award of the Diploma. The recommendation of the examiners shall be considered by the Academic Board.

13. A candidate who completes the course of study for the Diploma, but for reasons which, in the opinion of the convener of the department, are sufficient, fails to present himself for examination, or who presents himself, but fails to satisfy the examiners in the examination and who is not referred in any paper, may be a candidate for the whole examination on two, but not more than two subsequent occasions, of which the first shall not normally be more than two nor the second normally more than four academic years later than the occasion of the candidate's failure. If he is on either of those occasions referred in one paper Regulation 9 shall apply to him.

14. Each candidate for the Diploma shall be required to submit to the convener of the department before the date on which he satisfies the examiners in the examination, or not later than two calendar years (or such further period as the convener of the department may in a particular case permit) after that date, evidence to the satisfaction of the convener of the department of his having completed field work of such nature and such duration as may be prescribed by the convener of the department.

Diploma for Non-Graduate Students

The full-time course for the Diploma for non-graduate students covers two academic years. Students are required to undertake a minimum of sixteen weeks' full-time field work to be done during the vacations.

Candidates are required to take one paper in each of the following subjects:

	<i>Reference Nos. of Courses</i>
1. Elements of Social Analysis	746b, 830, 832, 844, 852
2. Social Policy and Administration	262, 720-726, 732-733
3. Psychology	695(i), (iii), 742-744, 745b
4. Social Economics	20, 26, 44, 739, 741a, 914, 935

Students are required to pass in all of these subjects, and, in addition, they must reach the required standard in their field work.

Applicants for admission to the course for the Diploma in Social Administration for non-graduate students must have attained the age of 20 by 1 October of the year for which they seek admission, and have completed a period of employment or other suitable experience of approximately one year between leaving school and the date at which they wish to begin the course. They must take an entrance examination, for which there is a fee of £1, and those who reach the required standard in the examination may be called for interview. If necessary, arrangements can be made for the examination and the interview to take place overseas. Applications must be made by 31 January preceding the session in which admission is desired. Application forms may be obtained from the department of Social Science and Administration.

Regulations for School Diplomas

Regulations

1. There shall be a Diploma in Social Administration which shall be awarded to persons who, having completed the course of study prescribed by these regulations, have satisfied the examiners in the examination for the Diploma and in the field work prescribed by these regulations.

2. No person shall be admitted to the prescribed course of study for the Diploma unless:

(a) he shall have attained the age of 20 years on or before 1 October of the calendar year in which he is admitted;

and (b) he shall, since leaving school, have completed to the satisfaction of the convener of the department of Social Science and Administration (hereinafter in these regulations referred to as the convener of the department) a period of employment or other suitable experience of approximately one year's duration.

3. The prescribed course of study shall be of two academic years' duration.

4. A candidate will be required to undertake sixteen weeks' full-time field work during vacations as an integral part of the course.

5. There shall be an examination for the Diploma, to be held in the Summer term of each year on dates determined by the convener of the department. The examination shall comprise the following papers:

- (1) Elements of Social Analysis
- (2) Social Policy and Administration
- (3) Psychology
- (4) Social Economics

6. The examination shall be conducted by such members of the staff of the department of Social Science and Administration as may be designated as internal examiners in each year by the Director, together with one external examiner. The external examiner shall be a person who, at the time of the examination, is not a member of the staff of the School. He shall be appointed by the Academic Board and shall be eligible for reappointment for two further years, but for three calendar years thereafter shall not again be eligible for appointment.

7. In order to satisfy the examiners in the examination a candidate shall be required to reach in each paper a standard prescribed by them; provided that if a candidate reaches the prescribed standard in each of three papers and the examiners do not consider his failure in the fourth to be serious they may, at their discretion, declare him to be referred in that paper.

8. A candidate may offer on not more than two subsequent occasions a paper in which he has been referred, of which the first occasion shall not normally be more than two, nor the second normally more than four academic years later than the occasion of the candidate's referral. If on one of those occasions he is successful in attaining the prescribed standard in that paper he shall be treated as having then satisfied the examiners in the whole examination.

9. The examiners may test any candidate by means of oral questions.

10. A mark of distinction shall be awarded to candidates who show exceptional merit.

Regulations for School Diplomas

11. The examiners may recommend for an aegrotat any candidate who, having completed not less than half of the examination, has made application, supported by a medical certificate, to the Academic Secretary, and who, in such part of the examination as he has taken, has, in the judgment of the examiners, shown himself to be qualified for the award of the Diploma. The recommendation of the examiners shall be considered by the Academic Board.

12. A candidate who fails to satisfy the examiners in the examination and who is not referred in any paper may be a candidate for the whole examination on two, but not more than two subsequent occasions, of which the first shall not normally be more than two nor the second normally more than four academic years later than the occasion of the candidate's failure. If he is on either of those occasions referred in one paper Regulation 8 shall apply to him.

13. Each candidate for the Diploma shall be required to submit to the convener of the department before the date on which he satisfies the examiners in the examination, or not later than two calendar years (or such further period as the convener of the department may in a particular case permit) after that date, evidence to the satisfaction of the convener of the department of his having completed field work of such nature and such duration as may be prescribed by the convener of the department.

(3) Diploma in Personnel Management

The School offers a one-year course of full-time study for men and women intending to seek employment as Personnel Officers. The course will be for a calendar year, starting with a month's practical work in industry in September and finishing with the examination for the Diploma at the end of the following August.

Applicants resident in the United Kingdom should have either a degree or a social science diploma from a British university, or should have had considerable industrial or commercial experience. Those without a degree or diploma should be at least 24 years of age and must take the entrance examination, for which there is a fee of £1, and only those who reach the required standard will be called for interview. All applicants who are exempt from the entrance examination will be given an interview. Applicants resident overseas must be university graduates or have a social science diploma, and they must also have had at least two years' experience of industrial or related work in their own country. They are normally required to take the entrance examination and only those who reach the approved standard will be given an interview. If necessary, arrangements can be made for the examination and the interview to take place overseas.

Any person (with the exception of overseas applicants) desiring to enter the School as a regular student must apply by 1 June preceding the session for which admission is desired, but if vacancies are available, later applications from university graduates will be considered. Interviews will be given during the Easter vacation, however, for candidates who apply by 31 January, and those who are not exempt from the entrance examination will take an examination early in March. A second entrance examination will be held at the end of June, followed by interviews in July.

Candidates who are overseas—other than those resident in India—must apply by 1 January. Candidates in India must apply in the first instance by 1 January to the Secretary, Indian Institute of Personnel Management, Artistry House, 15 Park

Regulations for School Diplomas

Street, Calcutta 16, as this Institute arranges interviews in India for all Indian applicants.

The course is designed to give students knowledge and understanding of the principles and problems of personnel management, both by theoretical study and by direct experience. For this purpose the School has been fortunate in the assistance received from companies and management organizations, which makes it possible for students to obtain varied first-hand experience, including practical training in a personnel department. The first period of practical training is in September preceding the first academic term. The Easter vacation is spent in an investigation in industry. A further period of practical training takes place in July after the Summer term finishes. Students return to the School for revision classes in August. The examination is held at the end of August, and a diploma is awarded as evidence of satisfactory completion of the course.

A person to whom the Diploma is awarded may seek exemption from the Membership Examination of the Institute of Personnel Management. The Institute is proposing changes in its admissions requirements which, if adopted, may mean that applicants for membership who are candidates for the Diploma and who have not taken certain subjects in their work for a first degree, diploma or certificate, will be required to undertake additional tuition during or before this Diploma course and to pass a qualifying examination. Students applying for admission for 1971-72 will be informed if these proposed changes are adopted.

Application forms and further particulars may be obtained from the Assistant Registrar (Admissions), London School of Economics and Political Science, Houghton Street, London, WC2A 2AE.

Regulations

1. There shall be a Diploma in Personnel Management which shall be awarded to persons who, having completed the course of study prescribed by these regulations, have satisfied the examiners in the examination for the Diploma.

2. No person shall be admitted to the prescribed course of study for the Diploma unless:

- (a) he is a graduate of a university
- or (b) he holds a certificate or diploma in Social Science
- or (c) he has attained the age of 24 years, and, having had considerable industrial or commercial experience, satisfies the examiners in the entrance examination for the course

3. The prescribed course of study shall be of one calendar year's duration.

4. There shall be an examination for the Diploma, to be held at the end of August each year (on dates to be determined by the convener of the department of Social Science and Administration). The examination shall comprise the following:

Reference Nos. of Courses

Part I

Four papers as follows:

- | | |
|--|---|
| 1. The Economics and Organization of Business Enterprise | 20, 25-26, 148, 357, 739, 763, 915, 946 |
| 2. Industrial Relations and Industrial Law | 348-349, 351, 353a, 447, 447a |

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- | | <i>Reference Nos. of Courses</i> |
|--|----------------------------------|
| 3. Industrial Psychology and Sociology | 761-762, 830, 832 |
| 4. Principles and Practice of Personnel Management | 760-760b |

Part II

An oral examination based on the report of an investigation undertaken by students during the year

5. The examination shall be conducted by such members of the staff of the School as may be designated as internal examiners in each year by the Director, together with one or more external examiners. For the oral examinations, external examiners shall be appointed who, in addition to the appropriate academic qualifications, hold or have held a responsible position in personnel management in industry or commerce. All the external examiners shall be persons who at the time of the examination are not members of the staff of the School. They shall be appointed by the Academic Board and shall be eligible for reappointment for two further years, but for three calendar years thereafter shall not again be eligible for appointment.

6. A candidate shall be required to satisfy the examiners in each paper of Part I and in Part II of the examination; provided that a candidate who has reached the prescribed standard in three papers in Part I and in Part II may, if the examiners think fit, be declared by them to be referred in the remaining paper of Part I.

7. A candidate may offer on not more than two subsequent occasions a paper in which he has been referred, of which the first occasion shall not normally be more than two, nor the second normally more than four academic years later than the occasion of the candidate's referral. If on one of those occasions he is successful in attaining the prescribed standard he shall be treated as having satisfied the examiners in the whole examination.

8. A mark of distinction shall be awarded to candidates who show exceptional merit.

9. The examiners may recommend for an aegrotat any candidate who, having completed not less than two of the written papers and the oral examination, has made application, supported by a medical certificate, to the Academic Secretary, and who, in such part of the examination as he has taken, has, in the judgment of the examiners, shown himself to be qualified for the award of the Diploma. The recommendation of the examiners shall be considered by the Academic Board.

10. A candidate who completes the course of study for the Diploma, but for reasons which, in the opinion of the convener of the department, are sufficient, fails to present himself for examination, or who presents himself, but fails to satisfy the examiners in the examination and who is not referred in any paper may be a candidate for the whole examination on two, but not more than two subsequent occasions, of which the first shall not normally be more than two nor the second normally more than four academic years later than the occasion of the candidate's failure. If he is on either of those occasions referred in one paper Regulation 7 shall apply to him.

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(4) Diploma in Social Work Studies

(This Diploma replaces the Diploma in Applied Social Studies and the Diploma for Social Workers in Mental Health.)

The School offers a one-year course in social work leading to a Diploma in Social Work Studies. The main subjects of study are principles and practice of social work, with special attention to casework, but including also the study of group work, community work and residential work; human growth and development, social influences on behaviour, deviations from normal patterns of living created by ill health, disablement, mental disorder, delinquency and deprivation of family life.

Field work teaching under supervision, undertaken in various social work agencies, e.g. local authority social work departments, social work departments of general and psychiatric hospitals, is an essential part of the course and is closely integrated with the theoretical part of the studies. Individual tuition is given in both the theoretical and field work parts of the course.

The course is a generic one and students have a choice of field work placements. On qualifying they become eligible for membership of the appropriate professional associations. In addition to working as practitioners in different fields of social service those qualifying by means of this professional course are in demand for a variety of posts carrying responsibility for teaching, supervision and administration.

Applications will be considered in order of receipt, and in any case not after 31 January in the year in which admission is desired. Candidates are admitted to the course on the recommendation of a selection committee which takes into account personal suitability for the practice of social work as well as qualifications, experience and age (see regulations below). Candidates are expected to have had at least a year's experience in social work before the course commences at the beginning of October. Only in exceptional circumstances will candidates with less experience be admitted to the course. Further particulars may be obtained from the Secretary, Social Work Courses, Department of Social Science and Administration, London School of Economics and Political Science, Houghton Street, Aldwych, London, WC2A 2AE. Letters should be clearly marked 'Diploma in Social Work Studies'.

Regulations

1. There shall be a Diploma in Social Work Studies which shall be awarded to persons who, having completed the course of study prescribed by these regulations, have satisfied the examiners in the examination for the Diploma and in the field work as prescribed by these regulations.

2. No person shall be admitted to the prescribed course of study for the Diploma unless:

either (a) he holds a university degree or diploma or certificate in the social sciences approved for this purpose by the convener of the department of Social Science and Administration (hereafter referred to as the convener of the department)

and

(b) he has experience in social work or work of a similar nature

or (c) he has attained the age of 25 years and has satisfied the convener of the department that he is adequately qualified:

(i) by experience in social work or work of a similar nature
and

Regulations for School Diplomas

(ii) by reason of having followed a systematic course of study in the social sciences.

3. The prescribed course of study shall be of one academic year's duration.

4. There shall be an examination for the Diploma, to be held in the Summer term of each year on dates determined by the convener of the department. The examination shall comprise the following papers:

1. Human Growth and Behaviour
2. Social Work and Social Administration
3. Social Pathology

5. In order to qualify for the award of the Diploma each candidate shall be required to complete field work of such nature, duration and standard as may be prescribed by the convener of the department.

6. The examination shall be conducted by such members of the staff of the School as may be designated as internal examiners in each year by the Director, together with one external examiner. The external examiner shall be a person who, at the time of the examination, is not a member of the staff of the School. He shall be appointed by the Academic Board and shall be eligible for reappointment for two further years, but for three calendar years thereafter shall not again be eligible for appointment.

7. In order to satisfy the examiners in the examination a candidate shall be required to reach in each paper a standard prescribed by them; provided that if a candidate reaches the prescribed standard in two of the three papers and the examiners do not consider his failure in the other to be serious they may, at their discretion, declare him to be referred in that paper.

8. A candidate may offer on not more than two subsequent occasions a paper in which he has been referred, of which the first occasion shall not normally be more than two, nor the second normally more than four academic years later than the occasion of the candidate's referral. If on one of those occasions he is successful in attaining the prescribed standard in that paper he shall be treated as having then satisfied the examiners in the whole examination.

9. The examiners may test any candidate by means of oral questions.

10. A mark of distinction shall be awarded to candidates who show exceptional merit.

11. The examiners may recommend for an aegrotat any candidate who, having completed not less than half of the examination, has made application, supported by a medical certificate, to the Academic Secretary, and who, in such part of the examination as he has taken, has, in the judgment of the examiners, shown himself to be qualified for the award of the Diploma. The recommendation of the examiners shall be considered by the Academic Board.

12. A candidate whose field work has reached the required standard and who completes the course of study for the Diploma, but for reasons which, in the opinion of the convener of the department, are sufficient, fails to present himself for examination, or who presents himself, but fails to satisfy the examiners in the examination and who is not referred in any paper may be a candidate for the whole examination on two, but not more than two subsequent occasions, of which the first shall not

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normally be more than two nor the second normally more than four academic years later than the occasion of the candidate's failure. If he is on either of those occasions referred in one paper Regulation 8 shall apply to him.

(5) Diploma in Statistics

The School offers a full-time course for graduate students leading to a Diploma in Statistics. The course is intended for graduates with first degrees specialising in subjects other than statistics, but including some study of statistics. The mathematics background required is approximately that of an Advanced level pass in the General Certificate of Education examination. The Diploma will furnish a basis for further graduate work in statistics as well as provide a qualification for those who wish to embark on a career as a statistician.

Members of the staff of the Statistics department will advise prospective applicants on the relative suitability of the Diploma course and the M.Sc. Statistics course for particular individuals. Generally speaking, the M.Sc. can be obtained in one year only by students who have done a substantial amount of statistics during their first degree courses. In suitable cases it will, however, be possible for a student to obtain the M.Sc. by means of a further year's study after passing the Diploma examination at a sufficiently high level.

Applications for admission to the course should be made on the prescribed form by 1 February to the Secretary of the Graduate School, London School of Economics and Political Science, Houghton Street, Aldwych, London, WC2A 2AE.

Regulations

1. There shall be a Diploma in Statistics which shall be awarded to persons who, having completed the course of study prescribed by these regulations, have satisfied the examiners in the examination for the Diploma.

2. No person shall be admitted to the prescribed course of study for the Diploma unless he holds a university degree or other qualification approved for this purpose by the convener of the department of Statistics.

3. The prescribed course of study shall be of one academic year's duration.

4. There shall be an examination for the Diploma, to be held in the Summer term of each year on dates determined by the convener of the department of Statistics. (Note Candidates should collect their entry forms for the examination from the Graduate School Office and return them to the Office duly completed by 1 February.)

The examination shall comprise four papers selected with the approval of the candidate's supervisor from the following list:

	<i>Reference Nos. of Courses</i>
1. Statistical Theory	974, 974a
2. Statistical Methods and Inference	924-925a, 974
3. <i>Either</i> (i) Mathematics A	912
<i>or</i> (ii) Mathematics B	913-913b
4. Social Statistics and Survey Methodology	924, 935, 970
5. Demography	680-681, 684-685
6. Management Mathematics	947-949a

Regulations for School Diplomas

7. Economic Statistics
8. Economics treated Mathematically
9. Any other approved paper

Reference Nos. of Courses

928-931
32, 32a, 949, 949a
—

A candidate may not offer a paper in which he has been examined at first degree level or its equivalent.

A candidate will normally be expected to include papers 1, 2 and 3 in his selection unless he can satisfy his supervisor that he has already reached the required standard in any of these three papers.

5. In order to qualify for the award of the Diploma each candidate shall be required to attend a course on computer programming.
6. The examination shall be conducted by such members of the staff of the School as may be designated as internal examiners in each year by the Director, together with one external examiner. The external examiner shall be a person who, at the time of the examination, is not a member of the staff of the School. He shall be appointed by the Academic Board and shall be eligible for reappointment for two further years, but for three calendar years thereafter shall not again be eligible for appointment.
7. In order to satisfy the examiners in the examination a candidate shall be required to reach in each paper a standard prescribed by them.
8. The examiners may test any candidate by means of oral questions.
9. A candidate who fails to reach the required standard in the examination may, in approved cases, be allowed to re-enter for the examination on one further occasion.

The Graduate School and Regulations for Higher Degrees

In its inception the London School of Economics was dedicated to research and advanced studies; and throughout its existence, the Graduate School, which is one of the largest of its kind in the country, has constituted a major division of its activities.

In the session 1970-71, 1,257 students were registered in the Graduate School either for systematic work for different higher degrees, or for shorter visits and special enquiries. The greater number of registered graduates work for the higher degrees of London University, but qualified applicants are admitted to do research under supervision without working for a degree.

At the present time the work of the Graduate School falls into two parts—advanced training and research.

As regards advanced training, the School provides lectures, classes, seminars and individual supervision for students who wish to take a Master's degree by examination. Such training is specifically designed to carry further specialisations commenced during work for a first degree, and to provide professional competence in the subject in which it is given. Reference to the details of lecture courses, classes and seminars in Part III of this Calendar will show the individual courses involved, which are now provided in the different subjects on a very extensive scale.

As regards research, unique facilities are provided by the close proximity of the School to the centres of government, business and law, and by its ease of access to the British Museum and the Public Record Office which, with the School's own large library, comprise perhaps the richest depository in the world of material relating to the social sciences.

Graduate students wishing to undertake research will be expected as a general rule to have attained the level of competence required by the one-year Master's degree. At this stage they have the opportunity of proceeding, according to their competence, either to the M.Phil., which involves a relatively short dissertation, or to the Ph.D., which involves a dissertation of more substantial dimensions. Students who are thus registered are attached to individual supervisors, who at all stages will be responsible for advising them on the planning and execution of their research.

A separate handbook, *The Graduate School*, issued each session, is obtainable by post on request. A copy may be obtained from the Graduate School Office by students applying personally for postgraduate registration. It contains a fuller description of graduate facilities, procedure on registration, the main regulations for internal higher degrees of the University of London open to students at the School and notes on library and social facilities.

Postal enquiries about admission to the Graduate School should be addressed to the Secretary of the Graduate School. Applicants enquiring in person should call at the Graduate School Office. Applications for October entrance must reach the School on the prescribed form, completed and fully documented by 1 February. As preliminary correspondence is usually necessary, applicants are advised to make first enquiries well in advance.

Note If a candidate who has been offered admission for October fails to register

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at the School by 30 October, without adequate reasons and without informing the School in advance of his inability to register in time, the offer of admission will be automatically cancelled.

For all further particulars on facilities and procedure, students are referred to the handbook *The Graduate School*.

Higher Degrees

Candidates for internal higher degrees of the University of London must first be accepted by one of the colleges of the University. The fact that a student has satisfied the general requirements of the University of London does not mean that he will obtain a place at the School. Since its accommodation is limited the School can accept only a small proportion of those who apply. The School may specify conditions over and above the requirements of the University regulations with which a student must comply before admission. Candidates may also be asked to take a qualifying examination either before a decision is made on their application, or after the first year of registration at the School. A copy of the full University regulations of the relevant degree is available for inspection in the Graduate School Office. The School is able to distribute copies only to students registered for research degrees. There is given below only a selection of the regulations for those higher degrees for which candidates are most commonly registered at the School, together with a note on certain others.

The Higher Doctorates

The School does not register candidates for higher doctorates. For the D.Sc. (Econ.) and D.Lit., published work alone can be considered by the examiners. Only London graduates are eligible for these doctorates, and applicants should communicate directly with the Academic or External Registrar of the University of London as to the conditions and regulations pertaining to them.

External Higher Degrees

Only graduates of London University (either internal or external) may proceed to *external* higher degrees of the University. It is **most unusual** for candidates for external higher degrees to be registered at the School, but the Graduate School Committee may in special cases consider such applications. Candidates so accepted must conform to the appropriate School regulations and, while registered, pay the same tuition fees as candidates registered for internal degrees.

Regulations for Higher Degrees of the University of London

Candidates are directly responsible for knowing and observing University regulations, but deal with the University through the Graduate School Office. Only the final submission of theses and detailed arrangements for all examinations are conducted directly between the candidate and the University. Instructions on these points are given at the appropriate times.

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Degrees Available and Other Forms of Registration at the School

The degrees for which a student may register at the London School of Economics are as follows:

- (a) Doctor of Philosophy (Ph.D.)
- (b) Master of Philosophy (M.Phil.)
- (c) Master's Degrees:
 - Master of Laws (LL.M.)
 - Master of Science (M.Sc.)
 - Master of Arts (M.A.)¹

The Ph.D. may be awarded in the Faculties of Arts, Laws, Science, Engineering, and Economics.

The M.Phil. may be awarded in the Faculties of Arts, Laws, Science, Engineering, and Economics.

The M.Sc. may be awarded in the Faculties of Science, Engineering, and Economics.

As previously indicated, the School accepts under the Research Fee, students wishing to carry out research without taking a higher degree of London University. Such students may attend lectures and seminars relevant to their research work, and they are allocated to a supervisor.

Candidates may register at the School for the Academic Postgraduate Diploma in Social Anthropology, or the School Diploma in Statistics. Candidates may also register for the School Diploma in Social Administration, but applicants for this diploma should address their enquiries direct to the Department of Social Science and Administration at the School. For details see pages 231-6.

Regulations Common to the Ph.D. and Master's Degrees

1. Recommendations for registration must be submitted by the School to the University not later than three months after the date on which the course was begun. Retrospective registration will be allowed in some circumstances and where a student has already been registered in the Graduate School. No retrospective registration towards another degree is allowed for any period spent on the M.Sc.

2. A candidate who has been accepted by the School must be registered with the University as soon as he starts his course at the School. A candidate's registration cannot be recommended to the University until the School has received *official* evidence of all his previous university qualifications. Candidates for the one-year M.Sc. must be registered within two months of taking up their course.

A fee of £8 is payable for each registration as an internal student of the University for a postgraduate degree except that no additional registration fee is payable by a student who is permitted to transfer his registration from one higher degree to another.

Registration fees are not normally returnable.

¹The only branches of this degree for which the School registers candidates are International History and Area Studies.

3. If a student does not begin his course of study within one calendar year from the date of the approval of his registration the approval of his registration will lapse and he must apply again for registration if he still desires to proceed to a higher degree.

4. A qualifying or preliminary examination may be imposed after registration, as a condition of being allowed to enter for the degree examination. A student upon whom such a condition has been imposed will normally be required to sit the qualifying examination at least one year before he enters for his degree examination or submits his thesis. If he fails to pass this qualifying examination he will not be permitted to re-enter for it without the permission of the School and the University.

If the qualifying examination imposed consists of a paper or papers from an existing University examination, the fee payable by the candidate is prescribed by the University: £5 for a single paper, £10 for more than one paper. In this case, the candidate is required to submit an entry form to the University by the date prescribed in the regulations for the relevant examination.

5. It is essential that the student, whilst pursuing his course of study as an internal student, should be prepared to attend personally for study in a college, school or institution of the University during the ordinary terms at such time or times as his supervising teacher may require.

6. Leave of absence may, under proper conditions, be permitted if the material for the work of a student registered for the M.Phil. or Ph.D. exists elsewhere. A full-time student granted leave of two terms or more must have been in attendance before entry to the degree examination for not less than four terms at the School and a part-time Ph.D. student not less than seven terms; neither the first nor the last term of the course can be counted as leave of absence.

7. The greater portion of the work submitted as a thesis for a degree must have been done since the student was registered as an internal student of the University.

8. All theses must be written in English and every candidate will be required to forward to the University the required number of copies of his thesis and of a short abstract thereof comprising not more than 300 words. The abstract should be bound with each copy of the thesis submitted to the University.

9. A candidate will not be permitted to submit as his thesis a thesis for which a degree has been conferred on him in this or any other university, but a candidate shall not be precluded from incorporating work which he has already submitted for a degree in this or any other university in a thesis covering a wider field, provided that he shall indicate on his entry form and also in his thesis any work which has been so incorporated.

10. A student submitting a thesis in typescript will be required to supply, at the time of the examination, two of the required copies of his thesis (*one* of which must be the typescript itself, *not* a carbon copy) bound in accordance with the following specification:

Size of paper: quarto (10 inches by 8 inches) or International A4 (11.69 inches by 8.27 inches), except for drawings and maps on which no restriction is placed. A margin of 1½ inches to be left on the left-hand side to allow for binding. Bound in a standardised form as follows: art vellum or cloth; overcast; edges uncut;

lettered boldly up back in gold (¼ inch to ½ inch letters), DEGREE, DATE, NAME; short title written or printed neatly and legibly on the front cover.

(The name and address of a firm of bookbinders in London, who will bind theses to this specification, may be obtained from the Academic Registrar, University of London, Senate House, WC1E 7HU).

11. Except with the special permission of the Academic Council an internal student will not be permitted to register concurrently for more than one degree, diploma or certificate, nor for any combination of these awards. No student who is registered as an external student may be registered concurrently as an internal student.

The Degree of Doctor of Philosophy

(See also the section on common regulations.)

1. The following are eligible, by University regulations, to apply for registration for a Ph.D. degree:

- (i) A graduate of London University;
- (ii) A graduate of another university;
- (iii) The holder of an approved diploma in certain educational institutions of university rank.

An applicant who has not obtained at least a **second class (upper division)** in an honours degree of this university, or its equivalent in another university, will not normally be admitted to the Graduate School as a candidate for the Ph.D. degree; and one who has not already obtained a Master's degree of this or another university will usually be required to register, in the first place, for a Master's degree.

2. A student is required to register as an internal student before proceeding to the Ph.D. degree. When applying for registration he must submit satisfactory evidence of his qualifications to proceed to this degree. The registration form, when completed, must be returned to the Graduate School Office.

3. In the Faculty of Laws, a candidate must have obtained either the LL.B. with first class honours or the LL.M. of London University or a degree of another university, assessed by London University as equivalent to one of these. In exceptional cases exemptions from these requirements may be granted.

4. A student registered for the Ph.D. who wishes to proceed instead to the M.Phil. must apply through the School for permission to do so. The length of further course, if any, which he will be required to pursue for the M.Phil. will be prescribed in each case by the University. On registering for the M.Phil. his Ph.D. registration will lapse.

Course of Study

5. Every candidate must pursue as an internal student:

- (a) a course of not less than two academic years (in the Faculties of Engineering and Science two calendar years) of full-time training in research and research methods, or

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(b) a part-time course of training in research and research methods of not less than three academic years.

Note Students registering for the Ph.D. degree at any time other than the beginning of a session will be required to pursue a full-time course of not less than two calendar years, or a part-time course of not less than three calendar years.

6. A research student engaged in teaching work in a School of the University or elsewhere may be accepted as a full-time student, provided that the total demand made on his time, including any preparation which may be required, does not exceed six hours a week.

7. The course must be pursued continuously, except by special permission of the Senate.

8. Not later than nine months before the date when he proposes to enter for the examination the student must submit through the Graduate School Office the title of his thesis for approval by the University. After the title of the thesis has been approved it may not be changed except with the permission of the University.

Thesis

9. After completing his course of study every candidate must submit a thesis which must comply with the following conditions:

(a) The greater portion of the work submitted therein must have been done after the registration of the student as a candidate for the Ph.D. degree.

(b) It must form a distinct contribution to the knowledge of the subject and afford evidence of originality, shown either by the discovery of new facts or by the exercise of independent critical power.

(c) It must be written in English and be satisfactory as regards literary presentation, and if not already published in an approved form, must be suitable for publication, either as submitted or in an abridged or modified form.

(d) Theses for the Ph.D. in Anthropology, Geography and Philosophy shall not exceed 75,000 words in length unless permission to exceed this limit has been granted by the University.

(e) For the Ph.D. in the Faculty of Economics the thesis shall not exceed 75,000 words in length, exclusive of bibliographies and technical appendices, unless permission to exceed this length has been granted by the University.

(f) In the field of History no thesis shall exceed 100,000 words in length (inclusive of footnotes and appendices, but exclusive of bibliography). This regulation does not apply to editions of a text or texts. A candidate wishing to exceed the prescribed limit may apply for permission to the University through his supervisor and the Graduate School Office, such application being made at least six months before the presentation of the thesis.

10. The thesis must consist of the candidate's own account of his research. It may describe work done in conjunction with the teacher who has supervised the work, provided that the candidate clearly states his personal share in the investigation, and that this statement is certified by the teacher. In no case will a paper written

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or published in the joint names of two or more persons be accepted as a thesis. Work done conjointly with persons other than the candidate's teacher will be accepted as a thesis in special cases only.

11. The candidate must indicate how far the thesis embodies the result of his own research or observation, and in what respects his investigations appear to him to advance the study of his subject.

Entry for Examination

12. Every candidate must apply to the Graduate School Office for a form of entry, which, when completed and countersigned by the School authorities, must be sent to the University together with the proper fee not earlier than six months and not later than two months before the submission of the thesis.

13. Every candidate must produce a certificate from the authorities of the School stating that he has studied to their satisfaction for the prescribed period. The certificate must be submitted before, or at the same time as the thesis is submitted. The thesis may be submitted on or after the first day of the month following that in which the prescribed course of study is completed. A candidate who is required to pursue a course of study extending over a specified number of academic years will be permitted to submit his thesis on or after 1 June of the relevant year.

A candidate who will not be ready to submit his thesis at the end of the prescribed course may defer submission of the form of entry up to one calendar year from the completion of his course. A candidate who does not submit his form of entry within one calendar year must apply again to the University for admission to the examination if he still desires to proceed to the degree.

If a candidate has not submitted his thesis for examination within eighteen months after submission of the form of entry for the examination, his entry will be cancelled and the fee refunded less £4.

A candidate registered for the Ph.D. degree will be required to submit three copies of his thesis typewritten or published in his own name. In the Faculty of Arts or Science he is required to bring an additional copy to the oral examination adequately bound and paginated in the same way as the three copies submitted to the University.

14. The candidate is invited to submit as subsidiary matter in support of his candidature any printed contribution or contributions to the advancement of his subject which he may have published independently or conjointly. In the event of a candidate submitting such subsidiary matter he will be required to state fully his own share in any conjoint work.

Examination

15. After the examiners have read the thesis they may, if they think fit and without further test, recommend that the candidate be rejected.

16. If the thesis is adequate the examiners shall examine the candidate orally and at their discretion by written papers or practical examinations or by both methods on the subject of the thesis and, if they see fit, on subjects relevant thereto; provided that a candidate for the Ph.D. degree in the Faculty of Arts who has obtained the

degree of M.A. in the same subject in this University shall in any case be exempted from a written examination.

17. If the thesis is adequate, but the candidate fails to satisfy the examiners at the oral, practical or written examination held in connection therewith, the examiners may recommend to the Senate that the candidate be permitted to re-present the same thesis and submit to a further oral, practical or written examination within a period not exceeding eighteen months specified by them. The fee payable on re-entry to the Ph.D. examination by a candidate referred in this way is £17 10s. (£17.50).

18. If the thesis, though inadequate, shall seem of sufficient merit to justify such action, the examiners may recommend to the Senate that the candidate be permitted to re-present his thesis in a revised form within eighteen months from the decision of the Senate with regard thereto, and the fee on re-entry, if the Senate adopt such recommendation, shall be £25. The examiners shall not, however, make such recommendation without submitting the candidate to an oral examination. The examiners may at their discretion exempt from a further oral examination on re-presentation of his thesis a candidate who, under this section, has been permitted by the Senate to re-present his thesis in a revised form.

19. For the purposes of the oral, practical or written examination held in connection with his thesis the candidate will be required to present himself at such place as the University may direct and upon such day or days as shall be notified to him.

20. Work approved for the degree of Ph.D. and subsequently published must contain a reference, either on the title page or in the preface, to the fact that the work has been approved by the University for the award of the degree.

Master's Degrees

General Note on Regulations for Master's Degrees

(See also the section on common regulations.)

1. The following are eligible, by University regulations, to apply to the School for registration for a Master's degree:

- (i) A graduate of London University.
- (ii) A graduate of another university.
- (iii) A candidate who has obtained a qualification of an approved standard after a course of study extending over not less than three years in a university (or educational institution of university rank) overseas.

2. A student is required to register as an internal student before proceeding to a Master's degree. When applying for registration he must submit official evidence of his qualification to proceed to a Master's degree.

3. A student admitted to the School must be recommended to the University for registration as a candidate for a Master's degree. The prescribed form for this official recommendation must be completed and returned to the Graduate School Office immediately after registration at the School.

4. Students required to enter for a special examination or for the whole or a part of an examination for a lower degree as a qualification for admission to the examination for a Master's degree, will generally be required to pass such a qualifying examination at least one year before entry to the examination for the

Master's degree. The lower degree, however, will not be granted to such persons.

5. A candidate registered for the M.Phil. who subsequently desires to proceed instead to the Ph.D. degree must apply through the authorities of his college, school or institution for permission to do so. A full-time or part-time student may be granted retrospective registration for another degree in respect of part of his previous course of study.

6. A student registered for a Master's degree is required to pursue an approved course of study. When he applies to be examined for the degree (by completing an entry form obtainable from the Graduate School Office) he must produce a certificate from the authorities of the School stating that he has studied to their satisfaction for the minimum period prescribed by the University. For course work degrees the certification is incorporated in the entry form.

7. A student registered for the M.Phil. will not be permitted to publish his thesis as a thesis approved for the Master's degree without the special permission of the University.

8. Information about the examinations for each of the Masters' degrees is to be found below.

The School reserves the right at all times to withdraw or alter particular courses and course syllabuses.

9. Candidates who are prevented owing to the death of a near relative, or contact with an infectious illness, or by their own illness from taking all or part of a written examination under revised regulations for the degree of M.A. or M.Sc. in the Faculty of Economics at the normal time, may, with the approval of the relevant Boards of Examiners, (i) be set a special examination in the papers missed, as soon as possible after that date or (ii) if electing to re-enter the written examination at the normal time, submit their reports, essays or dissertations immediately or at the time of re-entering the written papers. Application on behalf of such candidates must be made by the School, be accompanied by a medical certificate and reach the Academic Registrar, University of London, Malet Street, London, WC1E 7HU, within seven days from the last day of the examination.

The Degree of Master of Science (M.Sc.) in the Faculty of Economics

The degree of Master of Science in the Faculty of Economics is awarded to candidates successfully completing examinations based on courses which fall within any of the following branches:

Accounting and Finance	International History	Social Anthropology ¹
Business Studies ¹	International Law ¹	Social Psychology
Demography	International Relations	Sociology
Economics	Operational Research	Sociology with special
Econometrics and	Logic and Scientific	reference to Education ¹
Mathematical	Method	Sociology with special
Economics	Planning Studies	reference to the Sociology
Economic History	Politics	of Medicine ¹
Geography	Social Administration and	Statistics
Industrial Relations	Social Work Studies	Management Studies

¹The School does not register students for this branch of the M.Sc.

Qualifications for Admission

A graduate who has not obtained at least a **second class honours degree** in this University, or its equivalent in another university, will not normally be admitted to the School as a candidate for the M.Sc. degree.

Registration with the University

Candidates accepted for the M.Sc. must be registered with the University (through the Graduate School Office) immediately after the beginning of their course. Candidates should complete the University registration forms and return them to the Graduate School Office. Their registration cannot be recommended to the University until official evidence of their qualifications has been received by the Graduate School Office. There is no provision for retrospective registration for the M.Sc.

Course of Study

The course of study will extend over not less than **one** academic or **one** calendar year¹, but a candidate whose initial qualification in the field of study he wishes to pursue is held by the School to be insufficient may be required to extend his course over **two** years and to pass a qualifying or preliminary examination not less than one year before entry for the degree examination.

No candidate will be admitted to the School to follow the course of study for the M.Sc. degree except at the beginning of the session.

A candidate who has been admitted to the School as a part-time student will be required to extend his course of study over two academic or two calendar years.

Examination

The examination in each branch of study will take place once a year, either in the third week of June or in the third week of September.¹ It will consist of written papers, where appropriate a test of practical work or an essay written during the course of study, and, at the discretion of the examiners, an oral examination.

Each candidate must apply to the Graduate School Office for a form of entry either by 10 January or by 1 April for the June or the September examination respectively. This form must be sent, duly completed, together with the appropriate fee to the Academic Registrar **not later than 1 February or 1 May**.

A candidate who fails in his examination will not normally be readmitted to the School, but he may re-enter for the examination on **two** further occasions.

A list of candidates for the M.Sc. examination who have satisfied the examiners, will be published, arranged in alphabetical order, by the Academic Registrar. A mark of distinction will be placed against the names of those candidates who show superior merit.

¹In the following branches of study the examination will take place in June: Accounting and Finance, Economics, Econometrics and Mathematical Economics, Industrial Relations, International History, International Law, International Relations, Operational Research, Logic and Scientific Method, Regional and Urban Planning Studies, Social Administration and Social Work Studies, Social Psychology, Statistics, Management Studies. In the following branches of study the examination will take place in September: Demography, Economic History, Geography, Politics, Social Anthropology, Sociology.

A diploma for the M.Sc. degree, under the Seal of the University, will be sent to each successful candidate, after the report of the examiners has been approved by the Senate.

The latest date for withdrawal from the examination is 1 June for the June examination, and 15 August for the September examination.

If a candidate withdraws, for reasons other than his own illness or the death of a near relative, from a written examination for a Master's degree after the last date of entry, but not later than the above date, the entry fee less £4 will be refunded.

Subjects of Study

The following is a list, arranged under branches of study¹, of the subjects which may be offered. Where approval for a special subject is required it must be sought at the beginning of the course of study.

Candidates who intend to study a particular region in any of the following branches: Economics, Geography, International Relations, Politics, Sociology, may, with the consent of the teachers in the relevant branches substitute for one (or in exceptional cases for two) of the papers prescribed one (or two) papers concerned with their chosen region from one (or two) other branches.²

In addition to taking four examination papers, candidates may be required to satisfy a language requirement in a language appropriate to their chosen region.

I. Accounting and Finance

The examination will consist of four papers on subjects selected from the list below. The selection must be approved by the candidate's teachers. At least two papers must be written on subject 1.

	<i>Reference Nos. of Courses</i>
1. Economic Aspects of Accounting (papers 1-4)	137-139, 149, 151-152, 154-155, 936
2. Economics of Industry	81, 81a
3. Management Mathematics	914, 914a, 946, 946a
4. Mathematical Programming	978-979
5. Systems Analysis (papers 1 and 2)	984-992a
6. Any other subject approved by the candidate's teachers	

If the candidate's teachers approve, an essay or report of not more than 10,000 words, written during the course of study, may be substituted for one of the papers.

II. Business Studies

This branch of the M.Sc. is not offered at the School.

III. Demography

The examination will consist of three papers and a record of practical work done during the course:

	<i>Reference Nos. of Courses</i>
1. Demography I	684, 687-688, 690-692

¹Owing to a misunderstanding the branches numbered XII-XXIII in this Calendar are in different numerical order in the University Regulations. The official University numbering should be used for any communication with the University.

²Where regulations for a branch permit a subject to be chosen from another branch the examination for that subject will be taken at the same time as the examinations in the branch for which the candidate is registered.

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2. Demography II	Reference Nos. of Courses 681, 685, 688-689
3. One of the following:	
(i) Methods of Sociological Study	863-864, 993-994a
(ii) Social Structure and Social Change	—
(iii) Economics of Poor Countries and their Development	83-86a
(iv) Economic Growth Historically Considered	281
(v) Problems of Public Health and Socio-medical Research	877
(vi) Statistical Theory	974, 974a
(vii) Any other subject approved by the candidate's teachers	—

IV. Economics

The examination will consist of four papers as follows:

	Reference Nos. of Courses
1. Economic Theory I	55-56a, 58-60a, 62, 62a
2. Economic Theory II	55-57a, 59-61a
3. Methods of Economic Investigation	55-56a, 63, 63a
4. One of the following (one paper):	
(i) Advanced Economic Theory I: Theory of Economic Growth	64, 64a, 66
(ii) Advanced Economic Theory II: Linear Economic Models	65-66
(iii) History of Economic Thought	67, 67a
(iv) Theory of Comparative Cost and Commercial Policy	68, 68a, 70-71
(v) Theory of Optimal Decisions	72, 72a, 953
(vi) Labour Economics	73, 73a, 88, 88a, 96, 98-99, 352
(vii) Monetary History and Analysis of Monetary Institutions	—
(viii) Analysis of Monetary Institutions and Monetary Theory	75-77
(ix) Economics of Public Enterprise	—
(x) Economics of Transport	54, 78
(xi) Public Finance	79-80, 96, 472
(xii) Economics of Industry	81-82
(xiii) The Economics of Poor Countries and their Development	83-86a, 96
(xiv) Agricultural Economics	87-90
(xv) Economic Aspects of Accounting	137, 137a, 151, 153-155, 936
(xvi) Economic Problems of the Communist World I: Soviet Economic Structure	85-86a, 91-92, 94-95
(xvii) Economic Problems of the Communist World II: Techniques in Normative and Indicative Planning	85-86a, 92-95
(xviii) International Monetary Economics	69, 69a, 71
(xix) Economics of Education and Human Capital	96-99, 970
(xx) Any other field of Economics approved by the candidate's teachers	—

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In exceptional circumstances (for example, where the M.Sc. Committee is satisfied that a candidate has already attained the appropriate standard in one of the compulsory papers) a candidate may, subject to the approval of his teachers, substitute for one of the papers under 1, 2 or 3 a second paper in the subject selected under 4 or a paper in a second subject under 4.

Note In session 1970-71 no teaching will be offered for papers (vii) and (ix).

V. Econometrics and Mathematical Economics

The examination will consist of four papers as follows:

	Reference Nos. of Courses
1. Either (i) Quantitative Economics I (one paper) or (ii) Quantitative Economics II (one paper)	100-102 100, 102
2. Three of the following:	
(i) Quantitative Economics I (<i>not if taken under 1 (i)</i>)	100-102
(ii) Quantitative Economics II (<i>not if taken under 1 (ii)</i>)	100, 102
(iii) Econometric Theory I	105-106, 967-968
(iv) Econometric Theory II (<i>available only to candidates taking 2 (iii)</i>)	105-106, 969
(v) Advanced Mathematical Economics I	103-104, 953
(vi) Advanced Mathematical Economics II (<i>available only to candidates taking 2 (v)</i>)	103-104, 953, 954
(vii) Mathematical Programming	978-979
(viii) Any other subject approved by the candidate's teachers	—

Subject to the approval of the candidate's teachers, a candidate may substitute a record of practical work or an extended essay for one of the papers under 2.

VI. Economic History

The examination will consist of three papers and an essay written during the course of study. The candidate's choice of papers and essay title will require the approval of his supervisor.

	Reference Nos. of Courses
1. The sources and historiography of Economic History in one of the following periods:	
(i) England 1350-1500	277
(ii) England in the 17th century	263, 278
(iii) Britain 1783-1850	264, 266, 279
(iv) Britain 1900-1950	264, 279, 928
(v) U.S.A. 1890-1929	267(iii), 280
2. Either a second paper under 1 or a paper on a specified period in the Economic History of Great Britain or the U.S.A.	—
3. An essay of about 10,000 words on an approved topic relating to the period chosen for paper 1	—
4. One of the following:	
(i) Economic Growth Historically Considered	281
(ii) Social Structure and Social Change	—

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	<i>Reference Nos. of Courses</i>
(iii) The History of Science and Technology in Western Europe in either 1500-1750 or 1750-1900	—
(iv) The Economic Geography of the U.S.A.	—
(v) The History of Economic Thought	67, 67a
(vi) The Regulation of Industry by Government in the U.S.A.	564
(vii) Elementary Statistics	—
(viii) British Labour History 1815-1939	276

VII. Geography

The examination will consist of four papers as follows:

1. Modern Geographical Thought and Practice 228, 228a
2. Three papers taken in *one* or, in special cases *two*, of the following:
 - (i) Economic Geography
 - (ii) Historical Geography
 - (iii) Social Geography
 - (iv) Physical Geography
 - (v) Cartography
 - (vi) Geography of a Particular Region

} Appropriate courses, including Nos. 229-239, 241 will be arranged in consultation with supervisors.

As an alternative to one of these papers candidates may submit an essay of not more than 10,000 words on an approved topic.

Candidates will also be required to show satisfactory evidence of acquaintance with field and other practical research techniques.

In session 1970-71 no teaching will be offered for paper 2(iii).

VIII. Industrial Relations

Candidates will be required to study the structure and functioning of systems of industrial relations in Britain, U.S.A. and other countries. The examination will consist of four papers or of three papers and an essay of not more than 10,000 words on a topic approved by the School authorities and a report on an approved project to be submitted in September.

1. Industrial Relations (two papers)
2. *Two* papers (or *one* paper if an essay is also submitted) in one of the following groups:
 - (i) Labour Economics
 - (ii) Labour History
 - (iii) Labour Law
 - (iv) Industrial Psychology
 - (v) Industrial Sociology
 - (vi) Manpower Planning

} Supervisors will recommend to candidates the courses appropriate for the options selected.

IX. International History

The examination will consist of three papers, and an essay to be submitted in September. A knowledge of at least one European language in addition to English is essential.

1. One of the following general periods, including a knowledge of its sources and historiography:

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|--|---------------|-----------------------------------|
| (a) 1688-1740 | (d) 1815-1870 | } Courses by special arrangement. |
| (b) 1740-1789 | (e) 1870-1914 | |
| (c) 1789-1815 | (f) 1914-1946 | |
| 2. Diplomatic theory and practice in one of the following periods, to be selected with the appropriate period under paper 1: | | |
| (a) 1500-1815 | | |
| (b) 1815-1919 | | |
| (c) 1919-1946 | | |
| 3. A special aspect to be studied with the appropriate period under paper 1. Candidates will be expected to show knowledge of set printed sources and relevant monographs and articles. This paper will be selected from those available to candidates for the M.A. in International History and approved by the candidate's teachers. | | } |
| 4. An essay not exceeding 10,000 words on a topic within the field of the above three papers. | | |

A candidate who is successful in this branch may not enter for the M.A. in International History. A candidate who is successful in the M.A. in International History may not enter for this branch.

X. International Law

This branch of the M.Sc. is not offered at the School.

XI. International Relations

The examination will consist of four papers (one of them an essay paper); a record of work assigned during the course may be taken into account at the discretion of the examiners.

A candidate may, subject to the approval of his teachers, substitute for the essay paper an essay of not more than 7,000 words on an approved subject written during the course of study.

Candidates will be required to choose the four papers from *one* of the following seven general subjects:

- | | <i>Reference Nos. of Courses</i> |
|--|--|
| 1. International Politics: | |
| (i) The International Political System | } 449, 581-584, 587, 592, 595, 599, 600, 602-603, 605, 610-612, 620, 627 |
| (ii) International Institutions | |
| (iii) Foreign Policy Analysis | |
| (iv) An essay | |
| 2. Foreign Policies of the Powers: | |
| (i) The International Political System | } 581-585, 590, 605, 610-611, 616-617 |
| (ii) Foreign Policy Analysis | |
| (iii) The Foreign Policy of <i>one</i> of the following: | |
| China | |
| France | |
| India | |
| The Soviet Union | |
| The United Kingdom | |
| The United States | |
| (iv) An essay | |

Reference Nos. of Courses

3. International Institutions:
- (i) Theories of International Institutional Co-operation
 - (ii) International Institutions
 - (iii) One of the following:
 - (a) The Politics of International Economic Institutions
 - (b) The Law of International Institutions
 - (c) The Commonwealth
 - (d) The International Organs of the Communist World
 - (iv) An essay
4. European Institutions:
- (i) Theories of International Institutional Co-operation
 - (ii) European Institutions
 - (iii) One of the following:
 - (a) The European Executives
 - (b) The Law of European Institutions
 - (iv) An essay
5. Theories of International Politics:
- (i) The History of International Thought
 - (ii) Theories of International Behaviour
 - (iii) Problems of International Theory
 - (iv) An essay
6. Strategic Studies:
- (i) War and Crisis in International Relations
 - (ii) Contemporary Strategic Problems
 - (iii) Strategic Thought from Clausewitz to the Present
 - (iv) An essay
7. International Politics of an approved region: Three papers and an essay on:
- Either (a) Europe
or (b) Africa
or (c) Southern Asia

465, 587-588, 590, 612, 615-616, 627

466, 588-589, 614, 627

599-602, 607, 627

593-598, 606-607, 621-622, 624

535, 554-556, 581, 583-585, 590, 592, 605, 610, 614, 616-618

¹XII. Operational Research

The examination will consist of five papers (or four papers and a report on an approved project) and a record of practical work assigned during the course.

Reference Nos. of Courses

- 1. Stochastic Processes and Applications 951, 951a, 975, 977, 977a
- 2. Mathematical Programming 978-979
- 3. Three (or two where a report on an approved project is submitted) of the following:
 - (i) Statistical Theory 974, 974a
 - (ii) Design and Analysis of Statistical Investigation 957-958, 966, 966a

¹ See footnote 1 on page 253.

Reference Nos. of Courses

- (iii) Operational Research Methods 485-486, 486b, 716, 764, 982
- (iv) Management Accounting 137, 137a, 153, 936
- (v) Automatic Data Processing 938, 984, 986-987
- (vi) Econometric Theory I 105, 105a, 967-969
- (vii) Systems Analysis I 984-988a
- (viii) Systems Analysis II 981, 989-992a
- (ix) Any other subject approved by the candidate's teachers —

The choice of options and, where relevant, the choice of project to be reported on, must be approved by the candidate's teachers. Students who have not taken a degree in which Statistics is a main subject will normally be required to take paper 3 (i) Statistical Theory. Note A knowledge of mathematics, statistics and economics to the level of the Part I examination of the B.Sc. (Econ.) will be assumed. A student who applies without previous study of one or more of these subjects may be required to pass a qualifying examination before admission.

¹XIII. Logic and Scientific Method

The examination will consist of four papers either all from Option A or all from Option B:

Either

Option A: Philosophy of Science

Reference Nos. of Courses

- 1. Elements of Mathematical Logic 488, 491, 906-906b
- 2. Advanced Scientific Method 486, 490, 497
- 3. History of Epistemology 489-490, 494, 497
- 4. Philosophy of Mathematics 495
- 5. Foundations of Probability and Statistics 920-921
- 6. Selected Topics in the History of Science and Mathematics 492, 495, 502
- 7. Methodology of the Social Sciences 487, 499

or

Option B: Mathematical Logic and Philosophy of Mathematics

- 1. Mathematical Logic 491, 906-906b
- 2. Advanced Mathematical Logic 496 (i), (ii), (iii)
- 3. Topics in the Foundations of Mathematics 496 (i), (ii), (iii)
- 4. Philosophy of Mathematics 495
- 5. Foundations of Probability and Statistics 920-921
- 6. Selected Topics in the History of Science and Mathematics 492, 495, 501
- 7. Advanced Scientific Method 486, 490, 497
- 8. History of Epistemology 489-490, 494, 497

¹XIV. Planning Studies

Regional and Urban Planning Studies

The examination will consist of three papers and either an essay or a report of practical exercises.

Reference Nos. of Courses

- 1. The Economics of Regional and Urban Planning 28(i), 28(ii), 28a, 107, 240, 242
- 2. Administration in Regional and Urban Planning 547, 547a, 549, 549a, 240, 242
- 3. Geographical Aspects of Regional and Urban Planning 217, 228, 240-242

¹ See footnote 1 on page 253.

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| | <i>Reference Nos. of Courses</i> |
| 4. <i>Either</i> an essay of not more than 10,000 words on an approved topic | — |
| <i>or</i> a report of not more than 10,000 words on practical exercises carried out during the course | — |

The essay or report on practical exercises must be submitted in September. Candidates must also satisfy the examiners that they have a sufficient level of attainment in statistics.

¹XV. Politics

The examination will consist of four papers or three papers and an essay written during the course of study.

Candidates will be required to choose *one* of the following:

- | | |
|--|--|
| | <i>Reference Nos. of Courses</i> |
| 1. History of Political Thought | 517-518 |
| 2. The Politics and Government of the United Kingdom | 541 |
| 3. Comparative Government | 542 |
| 4. Political Sociology | 520, 530, 543-546, 833, 836, 840, 849, 872, 933c |
| 5. Theory and Practice of Public Administration | 9, 532-533, 547-548, 550-553 |
| 6. The Politics and Government of an approved country (other than the United Kingdom), a federation, association or group of countries; or the government and the economy of an approved country. (Candidates may be required to acquire a knowledge of an appropriate foreign language and will normally be required to do a minimum course of two years' study.) | 9, 535, 554, 556, 558, 562-563 |

¹XVI. Social Administration and Social Work Studies

The examination will consist of three papers and an essay written during the course of study.

Candidates will be required to choose *one* of the following options. (Only candidates who have had field work experience in a social work agency and who satisfy the selection committee as to their personal suitability for social work will be considered eligible for option B.):

- | | |
|--|----------------------------------|
| Either A | <i>Reference Nos. of Courses</i> |
| 1. Social Policy and Administration | 725, 748 |
| 2. <i>Two</i> of the following: | |
| (i) Medical Care | 749 |
| (ii) Social Security | 750 |
| (iii) Welfare Services | 751 |
| (iv) Housing and Town Planning | 549, 752 |
| (v) Community Development | 728, 730b, 753 |
| (vi) The Sociology of Family Law | — |
| (vii) Educational Administration | 754, 970 |
| (viii) A paper from another Branch of M.Sc. study (with the consent of the candidate's teachers) | — |

¹ See footnote 1 on page 253.

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| | <i>Reference Nos. of Courses</i> |
| 3. An essay of not more than 10,000 words on a topic approved by the candidate's teachers | — |

Or B

- | | | |
|--|---|--|
| 1. Social Work Studies | } | Supervisors will recommend appropriate courses for option B. |
| 2. Social Problems and Social Services | | |
| 3. Mental Health and Mental Disorder | | |

Candidates for option B must also attain a satisfactory standard in field work. The assessment of field work will be based on supervisors' reports and on an essay dealing with an aspect of this work approved by the candidate's teachers.

¹XVII. Social Anthropology

This branch of the M.Sc. is not offered at the School.

¹XVIII. Social Psychology

The examination will consist of a record of practical work, the presentation of a report on a project and *three* papers selected from the following:

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| | <i>Reference Nos. of Courses</i> |
| 1. Child Development and Socialisation | 707 |
| 2. Language, Thought and Communication | 709 |
| 3. Groups and Group Functioning | 713 |
| 4. Social Psychology of Organizations | 711 |
| 5. Social Psychology of Conflict | 714 |
| 6. Communication, Attitude Change and Innovation | 704, 708 |
| 7. Social Psychology of Education | 714 |
| 8. Person Perception | 715 |
| 9. Personality | 712 |
| 10. Selected Issues in Social Psychology | 717 |

Essays written during the session will also be assessed and will form an integral part of the examination.

One paper from another branch of the M.Sc. may be substituted for one of the papers if the candidate's teachers approve.

Not all options may be available every session.

¹XIX. Sociology

For examination in 1971 only the examination may be taken in one of the following ways:

- (i) by four papers
 - (ii) by three papers and an essay
 - (iii) by two papers and two essays
- The compulsory subjects (1. Sociological Theory and 2. Methods of Sociological Study) will be examined by papers. If two essays are submitted they must be on two different subjects, one of which must be selected from the list of optional subjects.

- | | |
|--|----------------------------------|
| | <i>Reference Nos. of Courses</i> |
| 1. Sociological Theory | 862, 862(ii) |
| 2. Methods of Sociological Study | 863-864, 916, 916a, 993-994a |
| 3. <i>Two</i> of the following: | |
| (i) Social Structure of Industrial Societies | 865 |
| (ii) Sociology of Education | 866 |
| (iii) Sociology of Deviant Behaviour | 867 |
| (iv) Sociology of Religion | 848, 868 |

¹ See footnote 1 on page 253.

	<i>Reference Nos. of Courses</i>
(v) Industrial Sociology	352-354
(vi) Social Structure and Social Change	—
(vii) Social Structure of Non-industrial Societies	—
(viii) Sociology of Development (with special reference to one region, e.g., Japan or Latin America)	—
(ix) Demography	684, 687-688, 690-692
(x) Race Relations	871
(xi) Theories and Concepts of Political Sociology	520, 530, 543-546, 836, 849
(xii) Political Stability and Change	520, 530, 543-546, 836, 849
(xiii) The Study of Political Behaviour	530, 544-545, 836, 849, 872
(xiv) Medical Sociology	749
(xv) Sociology of Law	—
(xvi) An essay of not more than 10,000 words on an approved topic, to be written during the course	—

Practical work done during the year may be taken into account in the final assessment at the time of the examination.

In exceptional circumstances and by special permission of the School authorities a paper selected from 3 may be substituted for paper 1 or 2.

Candidates wishing to take a paper in Social Psychology as an optional paper in place of one of the above options may, with the approval of the School authorities, choose any one of the subjects offered in the M.Sc. in Social Psychology, but must take the examination at the same time as they take their other papers.

Note In session 1970-71 no teaching will be offered for papers (vi), (vii), (viii), (xiv) and (xv).

¹XX. Sociology with special reference to Education

This branch of the M.Sc. is not offered at the School.

¹XXI. Sociology with special reference to the Sociology of Medicine

This branch of the M.Sc. is not offered at the School.

¹XXII. Statistics

The examination will consist of three papers and a record of practical work² done during the course. The choice of papers must be approved by the candidate's teachers.

	<i>Reference Nos. of Courses</i>
1. Probability, Stochastic Processes and Distribution Theory	950-952a, 955
2. Statistical Methodology and Inference	956-957a, 967-969
3. Design and Analysis of Statistical Investigation	957-958, 966, 966a
4. Selected Techniques and Model Building	951, 951a, 959-963
5. Econometric Theory I	105, 105a, 967-969
6. Mathematical Programming	978-979
7. Survey Theory and Methods	924, 964-965
8. Educational Statistics	96, 970-971
9. Mathematics (by special arrangement only)	—
10. Statistical Methods in Psychology (by special arrangement only)	—
11. Demographic Techniques and Analysis (by special arrangement only)	—

¹ See footnote 1 on page 253

² Courses 972, 973

	<i>Reference Nos. of Courses</i>
12. Any other topic approved by the candidate's teachers	—

¹XXIII. M.Sc. in Management Studies

The examination will consist of four papers to be taken in June and a report of not more than 10,000 words on a selected project to be submitted in the following September. For certain options a record of practical work assigned during the course will also be required.

A candidate's choice of options and project will be made subject to the advice and approval of his supervisor.

Candidates whose qualifications on admission are insufficient for their special subject will be required to spend not less than two years on the course and pass a qualifying examination.

A candidate is required to select one of the following subjects:

	<i>Reference Nos. of Courses</i>
A. Accounting and Finance	
1. Economic Aspects of Accounting I	137-139, 149, 151-152, 154-155, 936
2. Economic Aspects of Accounting II	
3. One of the following options: (a), (b), (c), (d), (e), (f), (j), (k), (m), (o), (p)	
4. One of the following options: (g), (h), (i), (n)	
B. Industrial Relations and Personnel Management	
1. Industrial Relations and Personnel Management I	Supervisors will recommend to candidates a suitable selection of courses
2. Industrial Relations and Personnel Management II	
3. One of the following options: (h), (i), (j), (k), (n)	
4. One of the following options: (a), (c), (e), (f), (l), (m), (o), (p)	
C. Operational Research	
1. Stochastic Processes and Applications	951, 951a, 977, 977a
2. Mathematical Programming	978-979
3. <i>Either</i> (i) Systems Analysis I	972, 984-988a
or (ii) Systems Analysis II	975, 981, 989-992a
or (iii) One of the following options: (a), (c), (d), (l), (o)	
4. One of the following options: (b), (e), (g), (h), (i), (j), (k), (n), (p)	
D. Systems Analysis	
1. Systems Analysis I	972, 984-988a
2. Systems Analysis II	975, 981, 989-992a
3. <i>Either</i> (i) Stochastic Processes and Applications	951, 951a, 977, 977a
or (ii) Mathematical Programming	978-979
or (iii) One of the following options: (a), (c), (d), (l), (m), (o)	
4. One of the following options: (b), (e), (f), (g), (h), (i), (j), (k), (n)	

Optional Papers

(a) Computing and Data Processing	938, 975, 981, 986-987a
(b) Commercial Law	—
(c) Design and Analysis of Statistical Investigation	957-958, 966, 966a
(d) Econometric Theory I	105, 105a, 967-969
(e) Economics of Industry	81
(f) Elements of Operational Research	948-949a
(g) Industrial Relations and Personnel Management for Non-specialists	358

¹ See footnote 1 on page 253.

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	Reference Nos. of Courses
(h) Industrial Psychology	716
(i) Industrial Sociology	353 or 354
(j) Labour Economics	73, 73a, 96, 98-99, 351
(k) Labour Law	474
(l) Management Accounting	137, 153, 936
(m) Management Mathematics	914, 914a, 946, 946a
(n) Manpower Planning	97, 357
(o) Statistical Theory	974, 974a
(p) Systems Analysis for Non-specialists	945a, 975, 984-986a, 988, 988a

In *exceptional* cases one other paper from another branch of the M.Sc. may be substituted for one of the papers listed above, subject to the approval of the candidate's supervisor.

The Degree of M.A. in International History

The examination will consist of three papers and an essay. A knowledge of at least one European language in addition to English is essential.

1. One of the following general periods, including a knowledge of its sources and historiography:
 - (i) 1688-1740
 - (ii) 1740-1789
 - (iii) 1789-1815
 - (iv) 1815-1870
 - (v) 1870-1914
 - (vi) 1914-1946
2. Diplomatic theory and practice in one of the following periods, to be selected with the appropriate period under 1:
 - (i) 1500-1815
 - (ii) 1815-1919
 - (iii) 1919-1946
3. A special aspect, to be studied with the appropriate period under 1. Candidates will be expected to show knowledge of set printed sources and relevant monographs and articles.
4. An essay not exceeding 10,000 words on a topic within the field of the above papers.

The course will extend over one academic year, and the written examination will be held in June. The essay shall be presented not later than the end of September. Two copies must be submitted. They should normally be typewritten.

A candidate who is successful in this degree may not enter for the M.Sc. branch IX. International History. A candidate who is successful in the M.Sc. branch IX. International History may not enter for this degree.

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The Degree of M.A. in Area Studies

The University offers an M.A. degree in Area Studies, but candidates cannot apply direct to the School. They are advised to write for details to the Academic Registrar, University of London, Senate House, WC1E 7HU.

The Degree of Master of Philosophy (M.Phil.) in the Faculty of Economics

The degree of Master of Philosophy in the Faculty of Economics is awarded by dissertation in the following fields of study:

Accounting and Finance	Geography	Politics
Business Administration ¹	Industrial Relations	Social Administration
Demography	International History	Social Anthropology
Econometrics	International Law	Social Psychology
Economic History	International Relations	Sociology
Economics	Operational Research	Statistics
	Philosophy	

Qualifications for Admission

A graduate who has not obtained at least a **second class (upper division)** in an honours degree of this University, or its equivalent in another university, will not normally be admitted to the School as a candidate for the M.Phil. degree.

A candidate whose initial qualification in the field of study he wishes to pursue is held by the School to be insufficient may be required to follow a course of study and to pass a preliminary examination not less than a year before he submits his dissertation.

The Course of Study and the Dissertation

The course of study will extend over not less than **two** academic years.

Students registering for the M.Phil. at any time other than the beginning of the session will be required to pursue a course of not less than two calendar years.

Each candidate will settle with his supervisor the subject and title of his dissertation and must have it approved by the University at least nine months before he submits the dissertation, which must not exceed 55,000 words. Candidates should bring the title for approval into the Graduate School Office before the end of the first session.

The thesis or dissertation must be written in English. The greater portion of the work must have been done after the registration of the student as a candidate for the M.Phil. The thesis or dissertation shall be either a record of original work or an ordered and critical exposition of existing knowledge.

The examination will consist of (a) a thesis, and (b) an oral examination which will include a test of the candidate's knowledge of the general background of his thesis.

¹This subject is not offered at the School.

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A candidate will be permitted to enter at any time during the year provided that he has completed the prescribed course of study. A candidate will be permitted to submit his entry form and fee not less than two and not more than six months before he is eligible to submit his thesis for examination.

A candidate who is required to pursue a course of study extending over a specified number of academic years will be permitted to submit his thesis on or after 1 June in the year in which the course of study is completed.

If the thesis, though inadequate, shall seem of sufficient merit to justify such action, the examiners may, after having examined the candidate orally, recommend the University to permit the candidate to resubmit the thesis in a revised form within twelve months from the decision of the University with regard thereto. The examiners may, if they so desire, require the candidate to submit to a further oral examination when he presents the revised thesis for examination.

A list of candidates for the M.Phil. examination, who have satisfied the examiners, will be published, arranged in alphabetical order, by the Academic Registrar. A mark of distinction will be placed against the names of those candidates who show exceptional merit. No unsuccessful candidate will be permitted to re-enter within one year of the date of his first entry without the permission of the examiners, save that a candidate who has failed in respect of his dissertation alone may re-present his revised dissertation at any time.

A candidate registered for the M.Phil. degree may, with the approval of his supervisor and of the School, be transferred to registration for the Ph.D. degree. Where this is permitted he may be allowed to count part of the period during which he was registered for the M.Phil. degree towards the registration period for the Ph.D. degree.

Fees for the Examination

Every candidate for the degree of M.Phil. must at each entry to the whole examination pay a fee of £25.

The Degree of Master of Philosophy (M.Phil.) in the Faculties of Arts and Laws

The M.Phil. by thesis or dissertation is awarded in the Faculty of Arts in:

- Anthropology
- General Linguistics and Phonetics
- Geography
- History
- Philosophy
- Psychology
- Sociology

Candidates for the M.Phil. in Anthropology or Geography will be examined by means of a thesis and an oral examination. Candidates for the M.Phil. in Sociology and in General Linguistics and Phonetics are required in addition to

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take two written examination papers. In Psychology the University may in certain cases prescribe written papers and/or practical examinations.

The M.Phil. by thesis or dissertation is awarded also in the Faculty of Laws.

The Degree of Master of Laws (LL.M.)

Qualifications for Admission

Candidates entering for the LL.M. examination after the minimum course of one year must have obtained either First or Second Class Honours at a first degree of the University of London or an approved equivalent degree.

There will be one paper in each subject. A candidate will be required *either* (i) to pass at one and the same examination in any *four* of the subjects, *or* (ii) in special circumstances and with the prior approval of the University to pass at one and the same examination in any *three* of the subjects, *and* in an essay of not more than 15,000 words on an approved legal topic. The essay must provide evidence of original work or a capacity for critical analysis, and must be written during the candidate's course of study. A candidate submitting an essay shall be examined orally on the subject of his essay unless the examiners otherwise determine.

Note Permission to take an essay will be granted only to candidates with particularly high entrance qualifications and will be subject to the approval of the candidate's supervisor and the University.

Course of Study

The course will extend over not less than one academic year and the examination will take place once in each year in September.

The title of the essay must be submitted to the University for approval by 1 January of the year in which the candidate presents himself for the examination and the essay must be submitted in typescript in duplicate by 1 July of that year.

Every candidate must submit a form of entry duly completed, together with the appropriate fee, not later than 1 May.

The subjects of the examination are as follows:

1. Jurisprudence and Legal Theory¹
2. Legal History
3. Administrative Law and Local Government Law¹
4. Comparative Constitutional Law I
5. Comparative Constitutional Law II¹
6. Comparative Constitutional Law III¹
7. Company Law

¹These subjects will not be taught at the School in the session 1970-71, but candidates wishing to study one (or, in exceptional circumstances, two) of them may take the relevant courses at other colleges while registered at the School.

The Graduate School

8. Insurance (excluding Marine Insurance)¹
9. Marine Insurance¹
10. Carriage of Goods by Sea¹
11. Maritime Law (excluding Carriage of Goods by Sea and Marine Insurance)¹
12. Law of Personal Taxation
13. Law of Business Taxation
14. Law of Mortgages and Charities¹
15. Law of Landlord and Tenant¹
16. Planning Law¹
17. Law of Estate Planning¹
18. The Law of Restitution
19. Monopoly, Competition and the Law
20. The Principles of Civil Litigation
21. Comparative Law of Contract in Roman and English Law¹
22. Comparative Criminal Law and Procedure
23. Comparative Conflict of Laws
24. Comparative European Law¹ (*Candidates offering the Soviet Law option for this subject may not offer subject 25, Soviet Law*)
25. Soviet Law (*Candidates taking Section B of this subject may not take subject 26, Comparative Family Law. Candidates taking any part of this subject may not take the Soviet Law option for subject 24, Comparative European Law*)
26. Comparative Family Law (*Candidates taking this subject may not take Section B of subject 25, Soviet Law*)
27. History of International Law¹
28. Law of International Institutions
29. Law of European Institutions
30. Air and Space Law¹
31. International Law of the Sea
32. The International Law of Armed Conflict and the Use of Force¹
33. International Economic Law
34. African Law¹
35. Hindu Law¹
36. Muhammadan Law¹
37. Criminology
38. Industrial and Intellectual Property
39. Legal Aspects of Defence Studies¹
40. Law of Treaties¹
41. Methods and Sources of International Law¹

A candidate may, in exceptional cases and by special permission of the University, select one (or two) of the following subjects in place of one (or two) of the preceding subjects:

42. Social Security
43. Sociology of Family Law¹
44. Social Structure of Industrial Societies
45. Social Statistics
46. The International Political System
47. Problems of International Theory

The selection of subjects available to part-time candidates who cannot attend during the day time is considerably restricted.

¹ These subjects will not be taught at the School in the session 1970-71, but candidates wishing to study one (or, in exceptional circumstances, two) of them may take the relevant courses at other colleges while registered at the School.

Regulations for Academic Diploma

Diploma in Statistics

The School offers a full-time course for graduate students leading to a Diploma in Statistics. For details about this diploma please see pages 241-2.

Academic Postgraduate Diploma in Social Anthropology

This diploma is awarded by the University of London and a full-time course of study is arranged by the School.

All diploma students are required to register as internal students of the University.

All students should read the *Regulations for Academic Diplomas*, which may be obtained from the Academic Registrar, University of London, Senate House, WC1E 7HU.

The diploma course is open to:

- (a) Students of postgraduate standing whose undergraduate courses have in the opinion of the University included a suitable preliminary training.
- (b) Students who, though not graduates, have satisfied the University that their previous education and experience qualify them to rank on the same level as graduates approved under (a) for this purpose.

Students are required to attend a course of study approved for this purpose by the University, extending over two sessions. The course of study must, unless special exemption is obtained, be continuously pursued.

Candidates are required to take the following papers:

- (i) History and Principles of Social Anthropology
- (ii) Social Structure; Political and Economic Organization
- (iii) Values, Beliefs and Ritual
- (iv) and (v) *Two* of the following options:
 - (a) Ethnography of a region with special reference to selected peoples (any region indicated for the B.A. degree in Anthropology examination or Latin America, may be offered for the diploma). Consideration will be given to the major indigenous institutions and their significance in modern conditions
 - (b) Applied Social Anthropology
or Social Change in Developing Societies
 - (c) Social Anthropological Studies of Sectors of Complex Modern Societies
 - (d) General Principles of Linguistics
 - (e) Primitive Technology
 - (f) An essay consisting of a paper of three hours, relating to a subject within the fields of the first three papers
 - (g) Primitive Art

Supervisors will recommend to candidates courses appropriate for this diploma.

A dissertation of not more than 30,000 words may be offered in lieu of papers (iv) and (v). The subject of the dissertation must be submitted to the candidate's supervisor by 1 January.

Regulations for Academic Diploma

The examination is held once a year beginning on the second Monday in June. Every student entering for this examination must apply to the Graduate School Office by 1 March at the latest, for an entry form which must be returned to the University, duly completed with the certificate of course of study thereon attested in accordance with General Regulations for Approved Courses of Study, together with the proper fee, not later than 15 March. Candidates submitting original work in the form of a dissertation must submit two copies of the dissertation typewritten or printed, and bound in the prescribed fashion, not later than 15 May.

The fee is £18 for each entry to the examination.

At the discretion of the examiners there may be an oral or a practical examination in any subject, in addition to the written examination in that subject.

Candidates shall not be approved by the examiners unless they have shown a competent knowledge in all the branches prescribed for the examination.

A student shall enter for the whole examination at the end of his two-year course.

Enquiries about this diploma should be addressed to the Secretary of the Graduate School.

Dates of Examinations

(INTERNAL STUDENTS)

1970-71

Entry forms for first-degree examinations should be obtained from the Registry (Room H310) at least one month before the closing date. After completion by the student of the appropriate section the form should be returned to the Registry, together with the relevant enclosures. The School will forward all first-degree examination forms to the University. A timetable of the examination is sent to each student by the University in advance of the examination.

Students registered in the Graduate School should obtain their entry forms from the Graduate School Office at least one month before the closing date.

N.B. Although every endeavour is made to ensure accuracy in the following dates, students are advised in all cases to consult the University Regulations, which alone are authoritative.

B.Sc. (Econ.) Final, Part I	
Entry closes	1 February 1971
Examination begins	10 June 1971
B.Sc. (Econ.) Final, Part II	
Entry closes	1 February 1971
Examination begins	24 May 1971
B.Sc. (Soc.)	
Entry closes	1 February 1971
Examination begins	3 June 1971
B.Sc. Degree (Faculty of Economics)	
Social Anthropology (all years)	
Social Psychology (all years)	
Entry closes	18 January 1971
Examination begins	To be announced
B.Sc. Degree (Faculty of Science)	
Geography (all years)	
Entry closes	18 January 1971
Examination begins	To be announced
B.Sc. Mathematics, Part I	
Entry closes	1 February 1971
Examination begins	10 June 1971
B.Sc. Mathematics, Part II	
Entry closes	1 February 1971
Examination begins	To be announced
B.A. Final	
Entry closes	24 January 1971
Examination begins	3 June 1971

Dates of Examinations

LL.B.

Entry closes 1 February 1971
Examination begins To be announced

M.Sc.

Entry closes 1 February 1971 for June examination
1 May 1971 for September examination

Examination begins Either 21 June 1971 or
21 September 1971 according
to subject

M.A.

Entry closes 1 February 1971
Examination begins 21 June 1971

LL.M.

Entry closes 1 May 1971
Examination begins 6 September 1971

**Academic Postgraduate Diploma in
Anthropology**

Entry closes 15 March 1971
Examination begins 14 June 1971

Course in Trades Union Studies

The School offers a one-year course of study for men and women interested in the work of the trades union movement. The course, which provides a training in the social sciences with special reference to the development of trades unionism, is primarily intended for persons taking up responsible work in trades union organizations, though applications for admission from other qualified students will be considered. All applicants must show that they possess the training and experience necessary to profit from the course.

Lectures are available in the main subjects of the syllabus; classes, open only to members of the course, are provided. Opportunities for written work are given and provision is made for tutorial supervision. Subject to approval, students may be admitted to other lectures given at the School which are of interest to them, and to which entry is not limited. In addition, they are full students of the School and members of the Students' Union and as such entitled to enjoy all the facilities provided by the Union.

The course is open to full-time day students only.

The syllabus of study consists of seven subjects for which lectures and special classes are provided. The subjects are:

- (i) Economics
- (ii) Contemporary Trades Unionism and Industrial Relations
- (iii) British Economic and Social History, with special reference to the growth of Labour Movements
- (iv) Law, with special reference to Trades Unionism
- (v) Political Theory and Organization
- (vi) Elementary Statistics and Business Finance
- (vii) Industrial Sociology and Psychology

Problems of human relations; the social organization of industry; industrial relations in overseas territories and the work of international organizations are covered in a series of lectures and classes.

There is a regular series of talks and discussions given or opened by prominent leaders and students of Trades Unionism.

On the completion of the course the student will receive a certificate from the School describing the work done and the standard reached during his period of study.

Application forms for admission may be obtained from the department of Industrial Relations.

Full details of the fees payable are given in the Fees section of the Calendar.

Members of affiliated trades unions may be eligible for scholarships provided by the Trades Union Congress, to whom they should apply.

Regulations as to Honorary Fellows

1. The Honorary Fellows Committee of the Court of Governors shall consist of the Chairman and Vice-Chairman of the Court of Governors, the Director, the Vice-Chairman of the Academic Board, and six members appointed by the Court, of whom four shall be appointed on the nomination of the Academic Board.
2. The Court of Governors may, on the recommendation of the Honorary Fellows Committee and with the concurrence of the Academic Board, elect as an Honorary Fellow of the London School of Economics and Political Science any former student of the School who has attained distinction in the arts, science or public life, or any person who has rendered exceptional services to the School, or to the arts, science or public life.
3. No full-time member of the staff of the School shall be elected an Honorary Fellow.
4. Not more than thirty Honorary Fellows shall be elected at the meeting of the Court of Governors to be held in the Michaelmas term 1958. Thereafter elections may be made annually in the Michaelmas term. In any year after 1958 the number of persons elected shall not, save for special reasons considered adequate by the Court, exceed ten nor shall there be included amongst them, save for the like reasons, more than three persons who are not former students of the School.
5. Suggestions for election to Honorary Fellowships shall be invited annually by the Honorary Fellows Committee in May from:
 - (i) each member of the Court of Governors
 - (ii) each member of the Academic Board
 - (iii) each Honorary Fellow
6. Every suggestion shall be made in writing, shall be signed by the person making it and shall be received by the Academic Secretary not later than 31 May. Thereafter, unless successful or withdrawn, it shall be regarded as current for three successive years, after which it shall lapse; but a fresh suggestion of the same name can be made.
7. The file of names suggested, past and current, shall be open to inspection in confidence by those persons who are to be invited, in accordance with regulation 5, to make suggestions.
8. In each year the Honorary Fellows Committee shall not earlier than 1 June nor later than 15 October consider the current list of names suggested, and such other names as may be proposed in the course of their deliberations; and the names of persons recommended for election shall be arranged in alphabetical order in the report of the Committee.
9. The report of the Honorary Fellows Committee shall be considered by the Academic Board at their first meeting in the Michaelmas term and shall be transmitted by the Board, with such observations as they may think fit, to the Court of Governors for consideration at their meeting held in the Michaelmas term.
10. After the report of the Honorary Fellows Committee has been considered by the Academic Board, but before its transmission to the Court, the Director shall ask those who are recommended for election to Honorary Fellowships whether they would be willing to accept election. No such enquiry shall be made by those who suggest their names.

The Library

The British Library of Political and Economic Science, which is the library of the School, was founded by public subscription in 1896, a year later than the School. From the outset it was intended to serve not only as the working library of the School, but also as a national collection.

These interdependent functions have grown together; the School has given the Library wide contacts with the public and academic worlds and a standing which it could not easily have gained as an independent institution, and the Library has in its turn assisted in attracting research workers to the School.

It is freely open to members of the School and is extensively used by other scholars and researchers. Application by non-members of the School for readers' permits must be made on a special form, which may be obtained from the Librarian.

The scope of the Library is the social sciences in the widest sense of that term. It is particularly rich in economics, in commerce and business administration, in transport, in statistics, in political science and public administration, in international law and in the social, economic and international aspects of history. As well as treatises and some 11,800 non-governmental periodicals (of which 4,140 are received currently), it contains several hundred thousand controversial and other pamphlets and leaflets; rich collections of government publications from nearly all the important countries of the world, including some 9,600 serials (of which 5,700 are received currently); collections which are probably unique of reports of local government authorities, of banks, and of railways; much historical material; and miscellaneous manuscript and printed collections of very varied extent and kind. The total amounts to some 550,000 bound volumes; the total number of separate items is estimated at nearly two million. In some subjects within its field, the Library is surpassed only by smaller and more highly specialised libraries, and in others it is unsurpassed; as a whole it is perhaps the largest library in the world devoted exclusively to the social sciences.

There is a full author catalogue typed on cards. The subject catalogue is published as *A London Bibliography of the Social Sciences*; this is widely used not only as a key to the contents of the Library, but also as a general bibliography of the social sciences. Further particulars of this work may be obtained from the Librarian. A catalogue of a more specialised interest is the *Classified Catalogue of a Collection of Works on Publishing and Bookselling in the British Library of Political and Economic Science*, available at £1 5s. (£1.25) a copy (plus postage).

The Library occupies a connected series of rooms on the north side of the School's main buildings in Houghton Street, Clare Market and Portugal Street. They include the only remaining part of the original School building of 1902, and later additions built partly with the aid of benefactions from the Rockefeller Foundation of New York. They are entered through a hall containing the catalogues and the counter for enquiries and the issue of books. There are seats for 1,064 readers. Reading rooms devoted to particular subjects or classes of material contain open-shelf collections amounting to some 71,000 volumes. The Periodicals Room provides all readers with immediate access to the current numbers of 360 periodicals. Three

The Library

further reading rooms are reserved for research workers, and one for the teaching staff of the School.

The greater part of the Library's collections is housed in the reserve stacks, which occupy nearly the whole of the basements of the main School building. Readers are not normally admitted to these, but any book is issued on request for use in the reading rooms.

The School also possesses other libraries. The Teaching Library occupies a series of connected rooms in the East Building. Its stock of over 30,000 volumes contains additional lending copies of the more important books used by undergraduates and graduates taking courses, and there is also a short-loan collection of periodicals and photocopies of articles etc. In addition to lending books, this library is a place of study, with accommodation for 173 readers. A leaflet giving details of the Teaching Library services may be obtained at the counter.

The Shaw Library (founded by Mrs. George Bernard Shaw) is a lending collection of general literature; it is housed in the Founders' Room on the fifth floor of the Main Building.

A leaflet *Notes for Readers* may be obtained free of charge on request from any member of the Library staff.

Rules of the British Library of Political and Economic Science

1. The Library is open for the purpose of study and research to:

(i) Members of the London School of Economics and Political Science, as follows:

- (a) Governors
- (b) Honorary Fellows
- (c) Staff
- (d) Regular students
- (e) Intercollegiate students
- (f) Occasional students

(ii) Persons to whom permits have been issued

(iii) Day visitors admitted at the discretion of the Librarian

2. Permits may be issued to:

- (a) Persons engaged in research which cannot be pursued elsewhere
- (b) Professors and lecturers of any recognised university
- (c) Persons engaged in any branch of public administration
- (d) Undergraduates of other universities and colleges (in vacation only)
- (e) Such other persons as may from time to time be admitted by the Librarian

Applications for Library permits must be made on the prescribed form; they should be addressed to the Librarian, and should be supported either by a member of

The Library

the staff of the School, or by a letter of recommendation from a person of position. Evidence of membership of the Royal Economic Society, the Royal Statistical Society or the London School of Economics Society is accepted in place of a letter of recommendation.

Library permits are not transferable. They are issued upon payment of the prescribed fees, which may, however, be remitted. The fees at present prescribed are, for persons in categories 2 (a) and (c), £5 5s. (£5.25) for a permit valid for six months, £2 12s. 6d. (£2.62½) for three months or £1 1s. (£1.05) for one month. All fees are non-returnable.

3. Every registered student on his first visit must produce his School registration card to be endorsed by the appropriate Library officer. Every permit holder on his first visit must sign his name in a book kept for that purpose and may be required to sign on subsequent occasions.

All readers are required to show their School registration cards or Library permits to Library officials upon request. Admission may be refused to anyone not in possession of such a registration card or permit.

4. The reading rooms are open normally on all working days during hours prescribed from time to time. They are closed on Sundays and on certain other days as prescribed. (The hours of opening prescribed at present are from 10 a.m. to 5.50 p.m. on Saturdays, and from 10 a.m. to 9.20 p.m. on other days. On Mondays to Thursdays in term for most of the session, the Library remains open, with a limited service, to 10.30 p.m. The days of closing prescribed at present are: six days at Christmas, six days at Easter, the Spring and late Summer Bank Holidays, and all Saturdays in July and August.)

5. Readers must not bring attaché cases, overcoats, hats, umbrellas or other impedimenta into the Library. All such articles can be deposited in the cloakrooms of the School.

6. Readers may take the books they require for purposes of study from any of the open shelves, and may take them to any of the reading rooms in the main Library.

7. Readers who have finished with books taken from the open shelves in any of the rooms should return them without delay to the returned-book stack in the room from which they have been taken, or preferably to their places on the shelves.

8. Books not on the open shelves must be applied for on the prescribed vouchers. Readers must return such books to the book counter when done with and claim the corresponding vouchers; they will be held responsible for all books issued to them as long as the vouchers are in the possession of the Library uncanceled.

9. Except as provided below, no book, manuscript, or other property of the Library may be taken out of the Library. All readers as they leave the Library are required to show to the Library janitor any books, papers, folders, newspapers etc., they may be carrying.

Members of the School staff may borrow books subject to the prescribed conditions.

The Library

Students of the School may borrow books over the weekend and at other times when the Library is closed subject to the prescribed conditions.

10. Graduate students, upon completion of the prescribed vouchers, may keep books from the reserve stacks in their individual lockers in the research reading rooms. They will be responsible for books so held by them, and the books must remain accessible to the Library staff in the event of their being required by other readers.

11. Graduate students of the School may borrow books for use outside the Library, subject to the following conditions:

(i) During the months of June, July, August and September, graduate students may borrow books only by special authorisation in each case, and on such special conditions as the Librarian shall impose, including, if required, the payment of a deposit.

(ii) No book borrowed shall be taken out of Great Britain.

(iii) Graduate students may not borrow more than six books at one time.

(iv) Books in the reading rooms, unique and rare books, and other books in particular demand, will be lent only by special permission in each case.

(v) The prescribed loan voucher must be completed and handed in before any book is removed.

(vi) Books borrowed during the term are due back on the last day of term, but they will be subject to recall at any time if required for use in the Library. Books borrowed during the last week of any term will be due for return at the end of the first week of the next term, but will also be subject to recall.

12. Readers handing in vouchers are required to supply all the necessary information in the appropriate spaces. The members of the Library staff are authorised to refuse vouchers giving insufficient detail.

13. A reader vacating his place will be deemed to have left the Library, and his books may be removed and the place occupied by another reader, unless he leaves on the table a note of the time of his return. In that case the place will be reserved for him from the time stated, but this reservation will lapse after fifteen minutes. The place will be available to other readers during the interim.

14. Ink-bottles or ink-wells cannot be taken into any of the Library rooms. Fountain pens are permitted. Readers using rare or valuable works, however, may be required to work with pencil.

15. Smoking is forbidden within the Library.

16. No reader may enter the Library basement or any other part of the Library not open to general readers without special permission.

17. The tracing of maps or illustrations in books is forbidden. No book, manuscript, paper or other property of the Library may be marked by readers. Anyone who injures the property of the Library in any way will be required to pay the cost of repairing or replacing the injured property, and may be debarred from further use of the Library.

18. The Library is intended solely for study and research, and may not be used for any other purpose whatsoever.

19. Silence must be preserved in the reading rooms and on the central staircase and landings.

20. Permission to use the Library may be withdrawn by the Director or the Librarian from any reader for breach of the rules in force at the time, or for any other cause that may appear to the Director or to the Librarian to be sufficient.

University Library

Any member of the University, staff or student, may apply to use the University Library (entrance on the fourth floor of the Senate House). An internal student may obtain a ticket entitling him to read in the Library and borrow books, by completing an application form (obtainable at the University Library) and showing evidence of University registration e.g. a College Card. Short instructional tours of the Library are arranged for new members, particularly during the first few weeks of the session.

The University Library is a large general library of about 950,000 volumes of books and periodicals, many of which may be borrowed for home reading. There are reading places for about 500, arranged in general reading rooms where there are collections of reference books and bibliographies, and in special rooms for Periodicals, Geography and Maps, Palaeography, Philosophy, United States and Latin American Studies, and Music. The Goldsmiths' Library houses the collection of early economic literature presented to the University Library by the Goldsmiths' Company in 1903. It has been added to throughout the years and now consists of about 60,000 volumes, mainly of works published before 1850.

Photocopying facilities include coin-operated machines in the Library and a photographic department in the basement, which can supply microfilms, slides, enlargements and other photographic copies.

Hours of Opening

Monday to Friday during the session: 9.30 a.m. to 9 p.m.

(book-stack service 10 a.m. to 6.30 p.m.)

Saturday and during the Summer vacation: 9.30 a.m. to 5.30 p.m.

(book-stack service 10 a.m. to 5 p.m.)

The Economists' Bookshop

The Economists' Bookshop, owned jointly by the School and The Economist Newspaper, was established in 1947 to provide a service to the staff, students and Library of the School and, through its mail order trade, to the world community of social scientists. The Bookshop's Board of Directors is composed equally of representatives of the School and of The Economist Newspaper. From small beginnings it has grown in recent years into a considerable bookselling enterprise, which numbers among its customers nearly all the universities in Great Britain as well as many private individuals and institutional bodies overseas. In addition to the main premises in Clare Market, the Bookshop has a Mail Order Department in Hampstead Road, and a separate shop selling secondhand books, new paperback fiction and stationery in Portugal Street. Over 6,000 titles are regularly held in stock, including a wide range of paperbacks and pamphlets, and since its establishment three years ago the Secondhand Department has considerably increased and facilitated the flow of secondhand textbooks among the students and staff of the School. Many former students of the School in all parts of the world continue to use the Bookshop's unique mail order service.

Publications of the School

From the School's foundation in October 1895, one of its objects has been to assist in the publication of research undertaken at or in connection with the School. Over the years there has been a steady and distinguished flow of papers, books and journals, some issued directly from the School and some issued for the School by one or other of the well-known British and American publishers.

Journals

Four journals are edited and published from the School: *Economica* (founded in 1921), *Population Studies* (1947), the *British Journal of Industrial Relations* (1963), and the *Journal of Transport Economics and Policy* (1967). The *British Journal of Sociology* (1956) is edited in the School and is published by Routledge and Kegan Paul. *Government and Opposition* is edited from and assisted by the School, and is published independently.

The L.S.E.-Weidenfeld and Nicolson Imprint

The School has recently appointed Weidenfeld and Nicolson as its publisher, and books sponsored or initiated by the Publications Committee of the School are now produced under a joint imprint of the School and Weidenfeld and Nicolson. Any present or former member of the School's staff, or any present or former student, may submit either finished manuscripts or ideas for books to the Publications Committee; the Committee itself, together with the publisher, initiates schemes for books and series of books.

With certain exceptions, authors will sign a separate contract with the publisher in the normal way, and can expect a scale of remuneration that should compare favourably with what they might get elsewhere. The exceptions will be books that are judged commercially 'difficult'—the specialised monograph, the occasional paper, and so on; these may be published on a commission basis, and it may not always be possible to give authors full commercial rates of royalty.

The object of these arrangements is to provide a first-class and ready-made vehicle for the publishing of such works of scholarship as staff and students may wish to offer. It will perhaps be of most value to those whose existing publishing arrangements may be proving unsatisfactory, or to those who are looking for a publisher for the first time.

Anyone interested should get in touch with any member of the Publications Committee (see pages 44-5), or with the Publications Officer.

Books and Pamphlets

In addition to the Weidenfeld and Nicolson scheme outlined above, the following series of books and pamphlets are issued for or by the School and its departments:

The New Series of Learned Works (G. Bell and Sons Ltd.)
Monographs on Social Anthropology (Athlone Press)
Reprints of Scarce Works on Political Economy (*Economica* Office, L.S.E.)
Papers in Soviet and East European Law, Economics and Politics (Athlone Press)
Greater London Papers (Greater London Group, L.S.E.)

Publications of the School

Occasional Papers on Social Administration (G. Bell and Sons Ltd.)
Geographical Papers (Weidenfeld and Nicolson)
L.S.E. Research Monographs Series (Weidenfeld and Nicolson)
A London Bibliography of the Social Sciences (British Library of Political and Economic Science, L.S.E.)
Monthly List of Additions to the Library
Auguste Comte Memorial Lectures (Athlone Press)
Hobhouse Memorial Trust Lectures (Athlone Press)
Inaugural Lectures (G. Bell and Sons Ltd. and Weidenfeld and Nicolson)
The Report Series of the Higher Education Research Unit (Oliver and Boyd)
L.S.E. Studies in Education (Penguin Books)
Reprint Series of the Statistics Research Division, L.S.E.
Reprint Series of the Survey Research Centre, L.S.E.

Student Health Service

Staff

- J. A. Payne, M.B., B.S., D.(OBST.), R.C.O.G.(LOND.): Psychiatric Adviser and Senior Health Service Officer
- H. N. Levitt, O.B.E., L.M.S.S.A.(LOND.), D.P.H., R.C.S.(ENG.), F.R.C.G.P.: Health Service Officer (Part-time)
- Camilla Bosanquet, M.B., B.CHIR.(CAMB.), M.R.C.S.(ENG.), L.R.C.S.(LOND.), D.C.H.(ENG.), D.P.M.: Psychiatric Adviser (Part-time)
- Agnes Wilkinson, M.B., CH.B.(BIRM.), M.R.C.P.(LOND.): Psychiatric Adviser (Part-time)
- Valerie Little, B.SC.(PHYSIOL.) (LOND.), M.B., B.S.(LOND.), M.R.C.S.(ENG.), L.R.C.P.(LOND.): Special Adviser to Women Students (Part-time)
- I. K. Lewkonia, M.B., CH.B.(LIVERPOOL), M.R.C.S.(ENG.), L.R.C.P.(LOND.), D.O.(ENG.), D.C.H., D.OBST., R.C.O.G., F.R.C.S.: Ophthalmic Surgeon
- P. Ayling, B.D.S.(EDIN.): Dental Surgeon
- J. Skuse, B.D.S.(LOND.), L.D.S., R.C.S.(ENG.): Dental Surgeon
- Jennifer M. E. Saville-Sneath, S.R.N.: School Nurse

The facilities of the Health Service are available free of charge to all students of the School. The School doctor holds a surgery at the School every day during term time. Students are advised to register with a general practitioner in the area in which they are living in term time so as to receive the full benefits of the National Health Service; but they may, in special circumstances and at his discretion, register under the National Health Service with the School doctor. The school nurse attends daily during term time and part of the vacation for first-aid and the treatment of minor complaints.

Doctors are present daily to give psychiatric advice, psychotherapy and counselling for emotional problems. Appointments may be made through the Secretary of the Health Service.

A gynaecologist is in attendance once a week in term time. Appointments may be made through the Secretary of the Health Service.

The ophthalmic surgeon attends at the School once a week during term time for eye tests, and appointments may be made through the Secretary of the Health Service.

The dental surgeons are in daily attendance. Their services are available under the National Health Service and according to its rates. Appointments may be made with the dental surgeons or through the Secretary of the Health Service.

Careers

Many careers are now open to university graduates in the Social Sciences and in Arts. They can offer work of great interest and responsibility and the degrees offered by the School are of value in any occupation that calls for a trained intelligence and an understanding of the contemporary world. Our graduates have been able to seek employment from a wide range of occupations requiring people who are well educated, broadly informed and mature in outlook. Employers need and seek graduates who are well qualified academically; they also look for men and women with the ability to exercise judgment, to make decisions and to exhibit powers of leadership and control. These qualities cannot all be assessed merely from the type or class of degree obtained. Thus the possession of a degree, irrespective of subject, is only the first criterion that interests the majority of employers, though expert or specialist posts clearly demand an appropriate training. Even then, specialist graduates may find that they have to compete eventually with non-graduates who have moved into specialist jobs by chance or, more likely, because of some natural aptitude for a particular type of work. Many graduates today assume that they are superior to the non-graduate. This is an understandable attitude of mind and graduates are entitled to this self-confidence—provided they accept the need to prove it by subsequent performance.

The choice of career, then, is wide. Experience suggests that of those who take the B.Sc.(Econ.) degree a considerable number finds employment in industrial and commercial management, enters the teaching profession or goes on to undertake academic research. The remainder are widely spread in finance; in expert posts as economists, lawyers or statisticians in industry and commerce; in government service; in journalism and librarianship; and in advertising and market research. Broadly speaking, our graduates can realistically consider the following areas of employment: education, the civil service, local government, the social and health services, private and nationalised industries, commerce, H.M. services. In addition there are opportunities overseas and a limited number in various cultural organizations.

Many graduates enter the educational field, either as school teachers or as lecturers in further educational establishments. Graduates obtaining their degrees in or after 1970 must complete a course of professional teacher training before they can teach in primary schools. The government intends that those obtaining their degrees in or after 1973 must complete a course of professional teacher training before they can teach in secondary schools. A further degree is usually necessary for the graduate who seeks a university post.

The civil service offers an immense variety of career opportunities for graduates including specialist posts in economics, psychology, law and statistics. There are opportunities for research and investigation, primarily for economists, geographers, psychologists and social scientists. In addition, graduates are needed for the tax inspectorate, factory inspectorate and the Department of Employment and

Careers

Productivity. Candidates for the open competition held annually for entry to the administrative class of the home civil service and the diplomatic service must normally have, or obtain in the same year, at least a second-class honours degree. A number of graduates also enters the executive class of the civil service and may hope for later promotion within the service.

Local government employs an increasing number of graduates. Normally they join a local authority as specialist administrators or become specialist practitioners in law, finance, librarianship, town planning or housing management and welfare. An appropriate professional qualification is needed for these expert categories of employment.

The B.Sc. (Sociology) degree, the B.A. degree in Sociology, and the diploma in Social Administration awarded by the School, are recognised initial qualifications for employment in some areas of social administration. They also provide the necessary basic qualification for *training* in social work for such fields as those of medical and psychiatric social work, child care, probation and family casework. Since maturity is an asset in all branches of social work, a degree course is recommended for those starting under the age of twenty-one. In most cases further specialised or professional training, lasting at least one year, is necessary for these careers and students should, therefore, be prepared to undertake this. Details of diplomas offered by the School are given on pages 229-42.

Many firms in private industry, together with the nationalised industries, offer graduate traineeships and direct appointments for a wide range of jobs in production, marketing, finance, personnel and management services. Banks, insurance companies and retailing organizations all need graduates, as do the professions of accountancy and law. Economists may make use of their specialised knowledge in economic forecasting and intelligence, while there is a growing demand among stockbrokers for investment analysts. Limited openings for graduates in any subject may be found in advertising agencies, journalism and market research.

It is worthy of note that the increased use made of statistics and, in particular, the development of mathematical and computational techniques offer great scope to the man or woman of mathematical ability. Equally, for many of our best graduates a fourth year of study may well prove fruitful as a career preparation; the rapid progress made in the social sciences means that it can take more than three years of study and a Bachelor's degree to make an expert economist, sociologist or statistician.

Possession of a university degree may result in a considerable shortening of the period of professional training. Thus, possession of the LL.B. degree leads to important exemptions from the Bar and Law Society examinations. The period for articles of clerkship for those who wish to qualify as solicitors is reduced to two and a half years for graduates of an approved university. Again, those who wish to become chartered accountants and who have taken Accounting and Finance as their special subject in Part II of the B.Sc.(Econ.) degree normally have their period of articles reduced from five to three years. They are also given exemption from the professional Intermediate examination, provided that the final degree examination is passed at the first attempt.

Finally, with regard to the choice of specialist or optional subjects, there is one golden rule to be followed: the subjects that a student should choose for his degree are those that he likes and is good at. The syllabuses provided at the School are generally wide and comparatively flexible and, for this reason, students who are not

Careers

firmly committed to a specific course for professional reasons ought not to allow their choice of courses to be dominated by thoughts of future careers. But it is never too early to start thinking about a career and those who are in doubt should consult their tutors and the officers of the Careers Advisory Service. The University of London Careers Advisory Board maintains a permanent unit in the School. Students may consult the officers of the unit at any time during their courses, preferably not later than the second year of study, but it is open to all students to seek advice before entry and after graduation if they so desire.

Students' Union and Athletic Union

Students' Union

The objects of the Students' Union are to promote the welfare and corporate life of the students, and, through the Union Council, to represent the students in all matters relevant thereto except those relating to Athletics.

The Unions main functions are to administer, supervise and improve Union premises, which include offices, a coffee bar, a bar and a shop; to represent student interests and co-operate with the School authorities in securing necessary improvements in student welfare; to provide a forum for the discussion of student affairs and interests and to approve and regulate the numerous student societies in the School.

Every regular and occasional student becomes a full member of the Students' Union on the payment of School fees, while students of other colleges attending the School for a course of lectures become associate members and are allowed to use the Union premises. Full members are also members of the Three Tuns Club and are entitled to use the Club's bar and other amenities.

The Union offices are situated in St. Clements building. Information concerning the Union, its services and activities, may be obtained from the Union offices, and from *Information for Undergraduate Students* issued to first-year students.

Union meetings are held in the Old Theatre on Friday evenings during term. All students are urged to attend Union meetings, where they can help decide Union policy as well as take part in debates and discussions. Full details of meetings are published on the Union noticeboards.

The Union provides many useful services in the fields of social activities, student welfare and relations with outside student bodies. Among these services are: debates, socials, dances; advice and information on housing, grants and fees; a number of common rooms and other amenities; and cheap travel and vacation work obtained in co-operation with the National Union of Students.

Members of the Union who are regular students of the School are also members of the University of London Union and are entitled to use all its premises and its services, and to participate in its activities.

The local branch of A.I.E.S.E.C. (Association Internationale des Etudiants en Sciences Economiques et Commerciales) is under the auspices of the external department of the Union and receives a grant from the department. A.I.E.S.E.C. organizes vacation traineeships for students in many countries and seminars on topics of current economic interest.

The Union magazine *Clare* was founded over seventy years ago, and is published twice a year. This is a magazine of special interest to students of the social sciences, with articles from staff, students and outside contributors. The Students' Union also publishes a fortnightly newspaper, *Beaver*.

EXECUTIVE OFFICERS

President, D. G. Pryce

Deputy President, A. B. Hickley

Administrative Vice-President, Diane Westley

Academic Affairs Vice-President, R. E. Tallack

External Affairs Vice-President, P. J. Nathan

Students' Union and Athletic Union

Social Vice-President, S. M. Maguire

Welfare Vice-President, T. Jones

General Secretary, D. C. Rumble

Senior Treasurer, D. B. Kenvyn

Athletic Union

All students are eligible to join the Athletic Union by becoming a member of any of its constituent clubs. The subscription charged for membership of the first club joined is ten shillings, and for any other club, five shillings.

The following clubs are affiliated to the Athletic Union:

CLUB	SECRETARIES
Association Football	M. S. Grubb
Athletics	D. A. Jones
Badminton	N. J. Horn
Basketball	B. D. N. Stuart
Boat	M. P. Tuckett
Canoe	J. Arnold
Cricket	D. Landon
Cross-Country	D. A. Jones
Gliding	M. J. Yates
Golf	R. Taylor
Judo	Sheila Slack
Mountaineering	J. D. Platts
Riding	Sarah G. Palmer
Rugby Football	R. C. V. Webb
Sailing	Laura Taggart
Squash	S. Rashid
Table Tennis	P. G. Phylactis
Tennis	D. R. Butler

There are two extensive sports grounds totalling some thirty-five acres at New Malden, to which there are frequent trains from Waterloo. There are pitches for Association and Rugby football, hockey and cricket, lawn tennis courts, a bowling green and running tracks. The pavilions are well appointed and include refectories and bars, a games room and very well-equipped dressing room accommodation. Facilities at the School itself include a recently acquired circuit room (E29) and a gymnasium suitable for basketball, table tennis, five-a-side football etc.

The Boat Club rows from the University Boat House, Chiswick; the Squash Club uses the School court; the Table Tennis and Judo Clubs use the School gymnasium; the Cross-Country Club runs on Hampstead Heath and in Richmond Park; the Sailing Club operates at the Welsh Harp, Hendon; the Golf Club plays at Malden Golf Club; the Gliding Club uses Lasham Aerodrome, Hants; the Canoe Club has a block booking with the Royal Canoe Club at Teddington. The Mountaineering Club meets in England and on the Continent.

There is an annual open day at New Malden. In the current session this will be Saturday, 12 June.

Students' Union and Athletic Union

EXECUTIVE OFFICERS

President, A. Wiggans

External Vice-President, J. A. Ellwood

Malden Vice-President, P. Morrell

General Secretary, Susan A. Harris

Assistant General Secretary, —

Treasurer, Anne M. Kiernan

Residential Accommodation

The School does not keep an index of lodgings suitable for students, but those who require help in finding accommodation may consult the University of London Lodgings Bureau, University of London Union, Malet Street, WC1E 7HU.

The Bureau maintains a register of addresses of various types in most districts of London, and each student's requirements are carefully considered. During term time a personal interview, for which an appointment must be made, is desirable; but from the end of the Summer term to October students should apply by post.

In choosing lodgings students should bear in mind that it is possible to take lodgings which provide either bed and breakfast or bed and breakfast with a regular evening meal in addition. Anyone whose tastes are likely to lead him to enter very fully into the life of the Union and its societies, or to spend his evenings in the Library, will be well advised to seek lodgings of the former type; those who prefer to study in their own rooms may be better suited by the latter type.

The fees for halls of residence, stated on the following pages, are those which are in force at present, but they are liable to amendment.

Hall of Residence for Men and Women

Passfield Hall

Endsleigh Place, WC1H 0PW.

(Warden: J. A. W. Forge, M.A.)

This hall of residence is provided by the School for men and women students of the School. It is in Bloomsbury, situated in the north-west corner of Tavistock Square, and is twenty minutes' walk from the School.

There is accommodation for about 158 students in single, double, and treble study-bedrooms. The fees, including Common Room subscription, are at present £207 9s. (£207.45), £196 4s. (£196.20) and £184 14s. (£184.70) per session respectively, payable by terminal instalments in advance.

Fees cover breakfast and dinner, and all meals on Saturdays and Sundays. Washbasins and fires with slot meters are provided in all rooms.

Application should be made to the Assistant Registrar (Admissions) at the School, if possible by 15 May. Applicants are selected for places towards the end of May each year, for the following October.

Halls of Residence for Men

Carr-Saunders Hall

Fitzroy Street, W1P 5AE.

(Warden: M. Bromwich, B.Sc. Econ.)

Carr-Saunders Hall, a new hall of residence for men students of the School, built with funds provided by an anonymous benefactor, is a few minutes' walk from the junction of Tottenham Court Road and Euston Road and twenty-five minutes' walk from the School.

Residential Accommodation

There is accommodation for about 148 students in single and double study-bedrooms. The fees are at present £219 and £204 per session respectively, payable by terminal instalments in advance and in addition there is a Common Room subscription (at present £1 per term).

Fees cover breakfast and dinner and all meals on Saturdays and Sundays. Washbasins are provided in all study-bedrooms, which are centrally heated.

Application should be made to the Assistant Registrar (Admissions) at the School by 15 May, for admission in the following October.

Commonwealth Hall

Cartwright Gardens, WC1H 9EB

An intercollegiate hall of residence for 400 men from the United Kingdom and overseas. Accommodation almost entirely in single study-bedrooms. Squash courts, table-tennis room, billiards room, library, common rooms, television rooms, drip-dry laundry rooms. Central heating. Selection is made after consideration of the individual student's needs and his ability to benefit from and contribute to life in a residential community.

Fees: £210 (single room) and £195 (double room) per session of about thirty weeks include breakfast and dinner during the week, and full board at weekends.

Application forms may be obtained from the Secretary of the Hall and must be returned by 31 May.

Connaught Hall of Residence

36-45 Tavistock Square, WC1H 9EX

An intercollegiate hall of residence for men; 194 places, mainly in single rooms. The rent of the study-bedrooms, including breakfast and dinner, and also lunch at weekends, is £210 (single room) and £195 (double room) per session of thirty weeks. Application forms may be obtained from the Warden, Professor D. M. Lang, and should be returned to him before 31 May.

Hughes Parry Hall

Cartwright Gardens, WC1H 9EF
(Warden: Dr. J. Lewins, M.A., M.Sc., Ph.D.)

Opened in 1969 for 275 men students. There are 245 single rooms and 15 double rooms, together with common-rooms, library, games-room, two squash courts and laundry.

Fees for the thirty-week session: £210 (single room), £180 (shared room). Fees cover breakfast and dinner, Mondays to Fridays, and full board at weekends.

Residential Accommodation

International Hall

Brunswick Square, WC1N 1AS

International Hall accommodates 426 men students. Half the rooms are reserved for students from overseas. There are 10 double rooms and 416 single rooms.

Fees: £210 (single room) and £180 (for share of double room) per session of thirty weeks. This includes breakfast and dinner from Mondays to Fridays inclusive, and breakfast, lunch and supper on Saturdays and Sundays.

Application forms may be obtained from the Hall Secretary and should be returned by 31 May.

International Students House

1-6 Park Crescent, W1N 3HE (immediately opposite Gt. Portland St. Tube Station)

International Students House, on the edge of Regent's Park, offers study-bedroom accommodation to men students and club facilities to men and women students from the United Kingdom and overseas. A very full programme is organised and the student adviser helps with problems on welfare, accommodation and personal matters. Visitors are most welcome.

Fees (for long-term residents): £5 5s. (£5.25) per week for share of double room. This includes bed and breakfast only. In addition, a membership fee of £2 10s. (£2.50) a year and a returnable key deposit of £1 are payable.

Early application is advised. Forms may be obtained from the Controller.

Intercollegiate Halls of Residence for Women

These three halls of residence for women students are under the authority of the Halls of Residence Committee of the University of London. Only full-time students of the University are eligible for admission. An application form and information may be obtained from any one of the halls (a stamped addressed envelope must be sent with the enquiry), and the completed form should be sent to the hall of first choice by the end of March for admission the following October. There are occasional vacancies in the course of the academic year.

Canterbury Hall

Cartwright Gardens, WC1H 9EE
(Warden: Miss V. McCririck, M.A., L.R.A.M.)

Opened in November 1946, for 220 women students; accommodation is in 214 single and three double study-bedrooms, all with central heating; there are common rooms, a concert hall, chapel, library, games room and squash court. Fees for the thirty-week session: £207 18s.-£216 6s. (£207.90-£216.30) (for breakfast and dinner, Monday to Friday and full board at weekends).

Residential Accommodation

College Hall

Malet Street, WC1E 7HZ

(Warden: Mrs. J. M. Witt, B.Sc.)

Opened in 1882 and transferred in 1932 to a new building in the University precinct; 220 residents are accommodated in 108 single and 56 double study-bedrooms, all with central heating and handbasins; there are common rooms, libraries, games room, studio and laundries. Fees for the thirty-week session: £207 18s.–£216 6s. (£207.90–£216.30). Fees cover full board (except lunch from Monday to Friday).

Nutford House

Brown Street, off George Street, W1A 1AH

(Warden: Mrs. M. J. F. Barnett, M.A.)

Opened in 1949 for 124 women students and since extended to take 194; accommodation is in 148 single rooms and 23 double rooms, most of them with some central heating; there are common rooms and laundries, a library and games room. Fees for the thirty-week session: £210 (single) and £201 (for share of double). Fees cover breakfast and dinner, Monday to Friday, and full board at weekends.

Residential Accommodation for Graduates

London House

Mecklenburgh Square, WC1N 2AB

London House has accommodation for 350 postgraduate men students from the overseas countries of the Commonwealth, the United Kingdom, former member countries of the British Commonwealth and the United States of America. It was established by the Dominion Students' Hall Trust.

Fees for residence (excluding meals) vary between £5 12s. (£5.60) and £6 6s. (£6.30) per week but there are a few shared rooms at cheaper rates. All meals are available in the dining hall (cafeteria system).

The House is close to three London Transport stations: King's Cross (Metropolitan and District Lines), Russell Square (Piccadilly Line), Chancery Lane (Central Line). It is within easy walking distance of the London School of Economics.

Application should be made direct to the Controller, London House, giving as much notice as possible.

Residential Accommodation

William Goodenough House

(The Dominion Students' Hall Trust),

Mecklenburgh Square, W1N 2AN

William Goodenough House accommodates 113 postgraduate women students from the British Commonwealth and the United States of America. In addition there are 59 self-contained flats for married students.

Fees, including breakfast, are from £4 18s.–£6 13s. (£4.9–£6.65) per week. All other meals are available on a cafeteria system. The rooms are single study-bedrooms with central heating and with electric fires on a meter system. There are ample common rooms.

Application should be made, well in advance, to the Controller.

Lillian Penson Hall

Talbot Square, W2 1TT

(Warden: K. G. T. McDonnell, B.Sc. Econ., Ph.D. Telephone: 01-262 2081)

Lillian Penson Hall, formerly a large hotel, is a hall of residence for postgraduate men and women students. It includes single and double study-bedrooms, each with private bathroom, telephone extension and central heating; there are also a few flats available for married couples without children. Meals may be bought in the dining room.

Fees cover the rent of rooms only and vary according to the accommodation provided. The rent for a single room is £26 8s. (£26.40) per month and for a double room £33. There are some rooms with kitchens or cooking facilities at £38 6s. (£38.30) or £52 14s. (£52.70) and a few flats with double bedrooms, sitting room and kitchen at £62 14s. (£62.70).

Flats for Married Graduate Students

The School has 18 flatlets at 83 and 83a Anson Road, N7 0AS, and 73 Carleton Road, Tufnell Park, N7 0ET, which are available for letting to married full-time students of graduate status. The flats are self-contained and consist of either one room or two rooms, plus a kitchen and a bathroom. Rents at present vary between approximately £5 and £8 per week, including a hire charge for furniture. Applications for flatlets, for which there is generally a waiting list, should be made to the Assistant Bursar of the School.

Afsil House

Afsil Limited, a Housing Association formed by a number of London colleges including the School, provides a number of furnished flats for married graduate students at Afsil House, Saffron Hill, Holborn Viaduct, EC1N 8QL, about ten minutes' walk from the School. Eight of these are reserved for students of the

Residential Accommodation

School. In allocating the flats preference is given to students from the British Commonwealth. Most of the flats are suitable for childless married couples only, but there are a few which could accommodate a couple with a small child. Most of the flats, which are self-contained, consist of a living room, bedroom, kitchen and bathroom. Rents, which include central heating and the hire of furniture, are about £7.10s. (£7.50) a week plus rates. Applications for the flats should be made to the Assistant Bursar of the School.

The London School of Economics Society

HONORARY OFFICERS AND COMMITTEE, 1970

President, G. C. Brunton

Deputy President, B. R. Crack

Life Vice-President, Dr. Vera Anstey

Representatives of the London School of Economics Society on the Court of Governors, Dr. Vera Anstey, W. H. B. Carey, B. Rowntree

Secretary, Mrs. Myra S. Kaffel

Entertainments Secretary: Mrs. Eva Morris

Treasurer, J. B. Selier

Editor of L.S.E., P. D. C. Davis

Auditor, J. W. Smith

Committee Members, The Officers, Editor of *L.S.E.* and Miss Ilse T. Boas, Miss Pamela Brain, Mrs. Elizabeth K. Collard, T. E. Dale, Mrs. Kay Daniels, Mrs. Blanche H. M. Lucas, Miss Mary Matthews, Miss Evelyn M. Myatt-Price, Professor W. A. Robson, Mrs. Kit F. Russell

Membership of the London School of Economics Society is open to past students of the School, day and evening, who have been full members of the Students' Union for at least one session, if so admitted by the Committee. Members of the School's staff who were not students at the School are eligible for membership. Persons not so qualified can be admitted to membership at the discretion of the Committee.

Members of the Society are granted various privileges in regard to the use of the School facilities. Subject to certain restrictions, they are entitled to free permits to use the School Library during vacations and in some cases during term. The magazine *L.S.E.*, published twice yearly, is sent to members free of charge, and there are occasional social events, including discussion meetings on subjects of general interest to members, a Saturday School on Social Science and an annual dinner.

The life subscription is £5 and the annual subscription £1. Application forms and information relating to the Society can be obtained from the Honorary Secretary at the School.

Friends of the London School of Economics

Trustees:

Chairman, G. Tugendhat

Vice-Chairman, Sir Paul Chambers

Treasurer, W. H. B. Carey

Sir Sydney Caine, Eve V. Evans, L. Farrer-Brown, the Director, the Chairman of the Senior Common Room

Secretary, W. S. Collings

In July 1957 an Association of Friends of the London School of Economics was formed. Membership is open to all former students of the School, present and past members of the staff, present and past Governors and any other persons or organizations interested in the welfare of the School. The principal object of the Association is to raise funds to provide for the School amenities which are important to its daily life, but which it cannot afford, either because of shortage of money or because it would not be appropriate to expend public funds on their acquisition. Since its foundation the Association has made many gifts to the School, some valuable in themselves, such as the three Persian carpets provided for the Founders' Room and furniture for the common rooms at Carr-Saunders Hall and Passfield Hall, and others whose usefulness is far in excess of their cost, such as the furniture for the roof gardens. Donations and gifts in kind of such items as pictures, plate, glass and silver are welcomed.

The Deputy Secretary and Bursar of the School will gladly send particulars of the Association on application. The annual subscription is two guineas or one guinea if paid under a seven-year deed of covenant. New members are urgently needed.

Part III: Lecture Courses, Classes and Seminars

Part III of the Calendar groups courses according to subject, but regular students should understand that, beyond those which are restricted to certain students, they are at liberty to attend any course of lectures.

In this list of courses the following notation has been used:

1 B.Sc. (Econ.) degree. The title of the examination paper to which each course relates is given in *italics*, the number of a special subject in roman numerals, and the number of the paper in arabic numerals and letters of the alphabet; the relevant regulations are set out on pages 187-205.

2 If examination paper numbers are given for other first degrees, they are indicated by arabic numerals, letters of the alphabet and small roman numerals. The relevant regulations are set out on pages 206-226.

3 M.Sc. The branch is indicated by roman numerals and the subject by arabic and small roman numerals. The title of each subject is also given in *italics* and the relevant regulations are set out on pages 256-264.

General Introductory Courses

1 The Social Sciences: an Historical Introduction

Professor MacRae. Fourteen lectures, Michaelmas and Lent Terms.

Recommended for all first-year students.

2 Introduction to Quantitative Methods in the Social Sciences

Mr Steuer. Five lectures, Michaelmas Term.

Optional for B.Sc. (Econ.) Part 1.

Development Administration

Development Administration

6 Governmental Aspects of Development

Mr P. F. Dawson. Sessional.

For Dip. Development Admin.

Syllabus Structure of the modern state: constitutional frameworks; legislatures, executives and judiciaries; federalism; laws and conventions. Democratic institutions: representative institutions; electorates, parties and parliaments; political oppositions; self-government in economic, religious and voluntary organizations; public opinion. Problems in transplanting institutions. Government: character of the executive; the civil service; public corporations; local government; political-administrative relations. Political systems: political power and its relation to authority; nationalism, communism and the modern state; historical and economic conditions of democracy; political aspects of economic and social change. Government in relation to economic and social development: the functions of government; the scope and problems of governmental planning; planning, politics and administration.

The following courses are relevant to this syllabus. Students will discuss with their tutor which of these and other suitable courses they will attend:

No. 526. British Government and Bureaucracy

No. 531. The Growth and Character of Local Government

No. 547. The Aims and Methods of Governmental Planning

7 Social Structure in Developing Countries

Miss Mayo. Fifteen lectures, Michaelmas and Lent Terms.

For Dip. Development Admin; Dip. Soc. Admin., Overseas Option only. Optional for B.A./B.Sc. (Soc.) Branch III, 7b (second and third years).

Syllabus Scope and methods of sociology and social anthropology; the description and analysis of social institutions; industrialisation and urbanisation as processes of social change; population growth and distribution; social control.

Recommended reading R. Firth, *Human Types*; T. B. Bottomore, *Sociology*; L. P. Mair, *New Nations*; E. H. Spicer, *Human Problems in Technological Change*, E. Durkheim, *The Division of Labour in Society*; W. E. Moore, *Social Change*; W. E. Moore, *Economy and Society*; R. Bendix and S. M. Lipset, *Social Mobility in Industrial Society*; T. S. Epstein, *Economic Development and Social Change in South India*; A. H. Halsey, J. Floud and C. A. Anderson (Eds.), *Education, Economy and Society*; A. E. and E. Etzioni (Eds.), *Social Change*; B. F. Hoselitz and W. E. Moore, *Industrialisation and Society*; D. Warriner, *Economics of Peasant Farming*; C. Kerr *et al.*, *Industrialism and Industrial Man*; W. N. Stephens, *The Family in Cross-Cultural Perspective*; A. J. Coale and E. M. Hoover, *Population Growth and Economic Development in Low-Income Countries*; G. Breese, *Urbanisation in the Newly Developing Countries*; A. K. Cohen, *Deviance and Control*; E. R. Wolf, *Peasants*.

8 Social Policy in Developing Countries

Professor Dasgupta. Nine lectures, Michaelmas Term.

For B.A./B.Sc. (Soc.) Branch III, 7b (third year); Dip. Development Admin.; Dip. Soc. Admin., Overseas Option only.

Syllabus The changing role of state and society in the developing countries. The determination and development of social policy and legislation; the development of social administration; forms of social provision in the fields of education, health community development, new settlements, social security, working conditions and industrial relations and social welfare. A review of the blocks and resistances to the development of appropriate programmes in each field.

Recommended reading U.N., *Report on the World Social Situation* (1957, 1961, 1963,

Development Administration

1965 and 1967); U.N., *Patterns of Social Welfare Organization and Administration in Africa* (1964); U.N., *Problems of Social Development Planning* (1964); P. D. Kulkarni, 'Social Policy in India' (*The Indian Journal of Social Work*, Vol. 26, No. 3, October 1965); M. King (Ed.), *Medical Care in Developing Countries*; M. Colbourne, *Planning for Health*; R. M. Titmuss and others, *The Health Services of Tanganyika*; A. Curle, *Educational Strategy for Developing Societies*; L. J. Lewis, *Society, Schools and Progress in Nigeria*; T. R. Batten, *Communities and their Development*; D. Brokensha and P. Hodge, *Community Development: an Interpretation*; V. P. Pandey, *Origin, Development and Problems of Village Community Projects in India*; B. C. Roberts, *Labour in the Tropical Territories of the Commonwealth*; I.L.O., *Reports of the Director-General of the First and Second African Regional Conferences* (1960 and 1964); C. Abrams, *Housing in the Modern World*; P. Marris, *Family and Social Change in an African City*; B. N. Rodgers, J. Greve and J. S. Morgan, *Comparative Social Administration*; E. Younghusband, *Social Work and Social Change*.
JOURNALS: *International Labour Review*; *International Review of Community Development*; *The Community Development Journal*; *International Social Development Review*.

The following course is also relevant to this syllabus:
No. 730. Social Policy in Developing Countries

9 Bureaucracy and Development Mr P. F. Dawson. Eight lectures, Lent Term.

For Dip. Development Admin.; M.Sc.: *Theory and Practice of Public Administration*, XV 5; *The Politics and Government of Africa*, XV 6.

Syllabus The evolution of bureaucratic organization in developing countries and its relation to political, economic and social conditions.

Recommended reading will be given at the beginning of the course.

10 Administrative Problems of Development (Seminar)

Tutors to the course. Sessional.

For students of the course in Development Administration. Other graduate students may be admitted by permission.

Syllabus The principal concern will be with administrative problems in countries experiencing rapid economic and social change. General questions to be discussed will include:

- (i) the relation between economic and social change;
- (ii) the transplantation of institutions from one society to another;
- (iii) political movements in societies undergoing rapid change.

Reference will be made to the relevant policies and methods of Western countries, and their suitability for other parts of the world will be discussed.

Economics

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305 **I Undergraduate Courses**

- 305 Introductory Economics
- 306 Economics for Specialists
- 308 History of Economic Thought and Development of Economic Analysis
- 309 Mathematical Economics and Econometrics
- 310 Industry and Trade
- 312 Labour Economics
- 312 Business Finance
- 312 Public Finance
- 313 Monetary Economics
- 314 International Economics
- 315 Transport Economics

315 **II Graduate Courses**

315 **A. M.Sc. in Economics**

- 315 Economic Theory and Methods of Economic Investigation
- 317 Advanced Economic Theory
- 318 History of Economic Thought
- 318 Theory of Comparative Cost and Commercial Policy
- 318 International Monetary Economics
- 319 Theory of Optimal Decisions
- 320 Labour Economics
- 320 Monetary History, Analysis of Monetary Institutions, Monetary Theory
- 321 Economics of Public Enterprise
- 321 Economics of Transport
- 321 Public Finance
- 321 Economics of Industry
- 322 Economics of Poor Countries and their Development
- 323 Agricultural Economics
- 324 Economic Aspects of Accounting
- 324 Economic Problems of the Communist World
- 325 Economics of Education and Human Capital

326 **B. M.Sc. in Econometrics and Mathematical Economics**

328 **C. M.Sc. in Regional and Urban Planning Studies**

328 **III Other Graduate Courses**

329 **IV Additional Courses for Undergraduates and Graduates**

Economics

I Undergraduate Courses

INTRODUCTORY ECONOMICS

20 Introduction to Economics

Mrs Sharp and Professor Wiles
Twenty lectures, Michaelmas and Lent Terms.

For B.A./B.Sc. (Soc.) Branch III, 3 (first year); Dip. Soc. Admin. (first year and one-year); Overseas Option (one-year); Dip. Personnel Management; Special Course for Overseas Administrators; Dip. Development Admin.

Syllabus An introduction to economic analysis, with some illustrations of its application to various topics.

Recommended reading will be given during the course.

21 Analysis of Contemporary Economies

Mr Steuer. Twenty-five lectures, Sessional.

For B.Sc. (Econ.) Part I, compulsory subject 1a *Economics*; B.A./B.Sc. (Soc.), Branch I, 6 (first year); B.Sc. (Geog.), C 51; B.Sc. (Soc. Anth.) Part II, 3 b.; B.Sc. (Maths.) Part I, 1a; B.Sc. Soc. Psych.: $\frac{1}{2}$ course unit.

Syllabus An introduction to the study of how economies work and how to appraise them. Emphasis will be placed on why the subject is set out the way it is. The lectures will provide enough coverage of traditional material to give students adequate preparation for more advanced courses.

Recommended reading will be given during the course. Standard introductory texts are:

R. G. Lipsey, *An Introduction to Positive Economics*; P. A. Samuelson, *Economics: An Introductory Analysis*; J. R. Hicks, *The Social Framework*.

21(a) Classes

Sessional.

22 (i) Economic Facts in Search of Theories

Mr Townsend. Five lectures, Michaelmas Term.

For B.Sc. (Soc. Anth.) Part II, 3b; B.Sc. (Geog.) C 51. Optional for B.Sc. (Econ.) Part I; B.A./B.Sc. (Soc.), Branch I, 6 (first year); B.Sc. (Maths.) Part I, 1a.

Description of course An introduction to economic institutions, structure and resources.

22 (ii) Some Applications of Elementary Economic Analysis

Mr Townsend. Ten lectures, Lent Term.

For B.Sc. (Soc. Anth.) Part II, 3b; B.Sc. (Geog.) C 51. Optional for B.Sc. (Econ.) Part I; B.A./B.Sc. (Soc.), Branch I, 6 (first year); B.Sc. (Maths.) Part I, 1 a.

22 (iii) Economics of Socialism

Professor Wiles and Mr Markowski. Ten lectures, Lent and Summer Terms.

Optional for B.Sc. (Econ.) Part I; B.A./B.Sc. (Soc.), Branch I, 6 (first year); B.Sc. (Maths.) Part I, 1a.

23 Introduction to Mathematical Economics

Mr Nickell. Twenty-five lectures, Sessional.

For B.Sc. (Econ.) Part I, compulsory subject 1(b) *Introduction to Mathematical Economics*; B.Sc. (Maths.) Part I, 1b.

Syllabus An elementary treatment of basic principles of economics: the theory of markets and the actions of agents in these; simple monetary theory and macro-economic models. All formal propositions will be treated mathematically. This course covers roughly the material of Lipsey: *Positive Economics* using elementary mathematical tools.

Recommended reading R. G. Lipsey, *An Introduction to Positive Economics*; R. G. D. Allen, *Mathematics for Economists* (selected chaps.).

Economics

23(a) Classes

24 Topics in Applied Economics

Professor Yamey. Seven lectures, Lent Term.

Restricted to Intermediate LL.B. students.

Syllabus The lectures will cover a selection of topics, including the following: 1 the joint stock company; 2 the labour market; 3 monopoly and restrictive business agreements.

25 The Structure of Industry

Mr Richardson. Ten lectures, Michaelmas Term.

For Dip. Personnel Management.

Syllabus A survey of the main characteristics of industrial structure and of the influences bearing on them.

Recommended reading will be given at the beginning of the course.

26 The Economics of the Labour Market

Mr Metcalf. Ten lectures, Lent Term.

For Dip. Personnel Management; optional for Dip. Soc. Admin. (second year and one-year).

Syllabus The forces that bear upon the fixing of rates of pay for particular jobs: custom, status, job evaluation, supply and demand, bargaining power. The movement of the general level of rates of pay in money; effects of full employment. National incomes policy. The economics of some institutional labour problems.

Recommended reading E. H. Phelps Brown, *The Economics of Labor*. Detailed reading will be given at the beginning of the course.

27 Economics

Mr Griffiths and Mrs Sharp. Twenty-eight lectures, Sessional.

For B.Sc. (Econ.) Part II: *Economics*, VI 1; VII 1; VIII 1; IX 1; XII 1; XIII 1; XIV 1; XV 1; XVI 1 (second year);

B.A./B.Sc. (Soc.), Branch I, 6 (section (i), second year; section (ii) first year); B.Sc. (Geog.) C 52.

Syllabus The workings of contemporary economies (with special reference to the United Kingdom): their institutions, processes and problems, and the application of elementary economic analysis to the study of these.

(i) Mr Griffiths. Twelve lectures, Michaelmas and Lent Terms.

Theory of income determination; monetary and fiscal policy; inflation, incomes policy; balance of payments; economic growth; the international monetary system.

(ii) Mrs Sharp. Sixteen lectures, Lent and Summer Terms.

Resource allocation: industrial structure. The price mechanism, planning, public and social policy.

27(a) Classes

Fifteen fortnightly classes for day students.

Evening classes will also be arranged.

An outline of the lecture course, class topics and a reading list will be distributed at the beginning of the course.

ECONOMICS FOR SPECIALISTS

28 Economic Principles and Problems of Applied Economics

(i) **Micro-Economic Theory**

Mr Gould. Twelve lectures, Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II: *Economic Principles*, I 4; II 1a; III 4; IV 1; V 3; X 1 and 2a (i); XI 1a; (second year); M.Sc. *The Economics of Regional and Urban Planning*, XIV 1; M.Sc.: *Accounting and Finance* (preliminary year).

Recommended reading Main Ferguson, *Microeconomic Theory* or J. Hadar, *The Elementary Theory of*

Economics

Economic Behaviour or K. J. Cohen and R. M. Cyert, *The Theory of the Firm*. Detailed reading will be given at the beginning of the course.

(i) (a) **Classes**

Ten classes, Michaelmas and Lent Terms.

(ii) **Macro-Economic Theory**

Dr Perlman. Twelve lectures, Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II: *Economic Principles*, I 4; II 1a; III 4; IV 1; V 3; X 1 and 2a(i); XI 1a (second year); M.Sc.: *The Economics of Regional and Urban Planning*, XIV 1; M.Sc.: *Accounting and Finance* (preliminary year).

Recommended reading D. C. Rowan, *Output, Inflation and Growth*; T. F. Dernburg and D. M. McDougall, *Macroeconomics*; M. G. Mueller (Ed.), *Readings in Macroeconomics*.

(ii) (a) **Classes**

Ten classes, Michaelmas and Lent Terms.

(iii) **Quantitative Methods in Economics**

Mr Miller. Five lectures, Lent Term. This course will not be given in the session 1970-71.

For B.Sc. (Econ.) Part II: *Problems of Applied Economics*, I 5; II 6, III 5; IV 6, 7 and 8 b; V 4a; XI 5, 6 and 7 h (i) (second year).

Recommended reading W. J. Baumol, *Economic Theory and Operations Analysis* (2nd edn.); W. T. Dowsett, *Elementary Mathematics in Economics* or G. Tintner, *Mathematics and Statistics for Economists*.

(iv) **Problems in the Application of Micro-Economics**

Mr Layard and Mr Richardson. Twelve lectures, Lent and Summer Terms.

For B.Sc. (Econ.) Part II: *Problems of Applied Economics*, I 5; II 6; III 5; IV 6, 7 and 8b; V 4a; XI 5, 6 and 7h(i) (second year).

Recommended reading will be given at the beginning of the course.

(v) **Applied Macro-Economics**

Mr Miller and Mr Jackman.

Thirteen lectures, Lent and Summer Terms.

For B.Sc. (Econ.) Part II: *Problems of Applied Economics*, I 5; II 6; III 5; IV 6, 7 and 8b; V 4a; XI 5, 6 and 7h(i) (second year).

Recommended reading J. C. R. Dow, *The Management of the British Economy, 1945-60*; R. E. Caves (Ed.), *Britain's Economic Prospects*; P. E. Henderson (Ed.), *Economic Growth in Britain*. Many of the books in the Penguin Modern Economics series are also recommended. Detailed reading will be given at the beginning of the course.

(iv) (a) and (v) (a) **Classes**

Twenty-five classes, beginning in the sixth week of the Lent Term for second-year students and continuing in the Michaelmas Term for third-year students.

(vi) **International Economics**

Dr Hindley. Five lectures, Summer Term.

For B.Sc. (Econ.) Part II: *Economic Principles*, I 4; II 1a; III 4; IV 1; V 3; X 1 and 2a; XI 1a (second year).

29 Introduction to a Mathematical Treatment of Economics

Dr S. Robinson. Ten lectures, Michaelmas Term.

Optional for B.Sc. (Econ.) Part II: *Economic Principles*, I 4; III 4; IV 1; V 3 (second year).

Syllabus The course, which assumes no more than "O" level mathematics, is

intended to help the general student of economics to understand the mathematical formulations used in economic theory. Functions and curves; demand, supply and elasticity; introduction to calculus; applications to the theory of the firm, the consumer and the market; simple difference equations.

Recommended reading G. J. Stigler, *The Theory of Price*; R. G. D. Allen, *Mathematical Analysis for Economists*; J. Parry Lewis, *An Introduction to Mathematics for Students of Economics*; R. G. Lipsey, *An Introduction to Positive Economics*; S. G. B. Henry, *Elementary Mathematical Economics*.

HISTORY OF ECONOMIC THOUGHT AND DEVELOPMENT OF ECONOMIC ANALYSIS

30 The History of Economic Thought

Lord Robbins and Dr Devletoglou. Forty lectures, Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II: *History of Economic Thought*, I 8c; III 8a; IV 6, 7 and 8c; VIII 3d (third year). Optional for B.A. (Phil. and Econ.) (third year). Useful for M.Sc.: *History of Economic Thought*, IV 4iii (preliminary year).

Syllabus The history of economic thought from Aristotle to the present day. Special attention will be paid to the period since 1776, including the monetary controversies of this period.

Recommended reading The set books by Ricardo and Marshall; M. Blaug, *Economic Theory in Retrospect*. Also: A. Monroe, *Early Economic Thought*; J. R. McCulloch (Ed.), *Early English Tracts on Commerce and Tracts on Money*; O. H. Taylor, *A History of Economic Thought*; J. A. Schumpeter, *History of Economic Analysis*; H. W. Spiegel (Ed.), *The Development of Economic Thought*; G. S. L. Tucker, *Progress and Profits in British Economic Thought, 1650-1850*; E. Cannan, *A Review of Economic Theory*;

E. A. Johnson, *Predecessors of Adam Smith*; W. Letwin, *The Origins of Scientific Economics*; D. W. Vickers, *Studies in the Theory of Money, 1690-1776*; R. W. Meek, *The Economics of Physiocracy*; J. Higgs, *The Physiocrats*; J. M. Clark and others, *Adam Smith, 1776-1926*; J. H. Hollander, *David Ricardo*; M. Blaug, *Ricardian Economics*; M. Bowley, *Nassau Senior and Classical Economics*; A. Gray, *The Socialist Movement*; G. J. Stigler, *Production and Distribution Theories*; J. Viner, *Studies in the Theory of International Trade*; F. W. Fetter, *Development of British Monetary Orthodoxy, 1797-1875*; L. C. Robbins, *The Theory of Economic Policy in English Classical Political Economy*; Robert Torrens and the Evolution of Classical Economics; *The Theory of Economic Development in the History of Economic Thought*; T. W. Hutchison, *A Review of Economic Doctrines, 1870-1929*; Erich Schneider, *Einführung in die Wirtschaftstheorie*, Vol. IV, *Geschichte der Wirtschaftstheorie*, 1. Band. A full guide to reading will be distributed at the beginning of the course.

30(a) Classes

Ten classes, Michaelmas and Lent Terms.

31 The Development of Economic Analysis

For B.Sc. (Econ.) Part II: *Development of Economic Analysis*, I 7; II 5e; IV 6, 7 and 8a. Useful for M.Sc.: *History of Economic Thought*, IV 4iii (preliminary year).

(i) Introduction to the Development of Economic Analysis
Dr Perlman. Six lectures, Summer Term (second year).

(ii) Micro-Economics
Professor Myint. Ten lectures, Michaelmas Term (third year).

Recommended reading G. Ackley, *Macro-Economic Theory*; W. J. Baumol, *Economic Theory and Operations Analysis* (2nd edn.);

M. Blaug, *Economic Theory in Retrospect*; W. Breit and H. M. Hochman (Eds.), *Readings in Micro-Economics*; K. J. Cohen and R. M. Cyert, *Theory of the Firm; Resource Allocation in a Market Economy*; J. R. Hicks, *Value and Capital* (2nd edn.); J. M. Keynes, *General Theory of Employment, Interest and Money*; A. Marshall, *Principles of Economics*; F. H. Hahn and R. C. O. Matthews, "The Theory of Economic Growth—A Survey" (*Surveys of Economic Theory*, Vol. 2, A.E.A.); A. Leijonhufvud, *Keynesian Economics and the Economics of Keynes*; M. G. Mueller (Ed.), *Readings in Macroeconomics*; D. Patinkin, *Money, Interest and Prices*.

(iii) Macro-Economics

Dr Hindley. Ten lectures, Lent Term (third year).

31(a) Classes

Twenty classes, Michaelmas and Lent Terms (third year).

MATHEMATICAL ECONOMICS AND ECONOMETRICS

32 Economics Treated Mathematically

For B.Sc. (Econ.) Part II: *Economics treated Mathematically*, I 8d; II 2a, IV 6, 7 and 8d; V 2f; XI and 2bi; XI 2d; Dip Stats.

(i) Principles of Economics Treated Mathematically

Dr Kuska. Fifteen lectures, Lent and Summer Terms, for second-year students.

Syllabus Consumer and producer theory, general equilibrium analysis, and some problems in comparative statics, efficiency and decentralization. Mainly calculus methods will be used.

Recommended reading J. M. Henderson and R. E. Quandt, *Microeconomic Theory*; J. Quirk and R. Saposnik, *Introduction to General Equilibrium Theory and Welfare Economics*; J. de V. Graaf,

Theoretical Welfare Economics; O. Lange, "The Foundations of Welfare Economics" (*Econometrica*, July-October, 1942).

(ii) Topics in Mathematical Economics

Mr Glaister. Fifteen lectures, Michaelmas and Lent Terms, for third-year students.

Syllabus Theory of income determination, simple growth and trade cycle models. A more advanced treatment of the theory of maximizing behaviour of economic agents primarily using point-set methods.

Recommended reading R. G. D. Allen, *Mathematical Economics*; R. G. D. Allen, *Macro-Economic Theory*; J. Quirk and R. Saposnik, *Introduction to General Equilibrium Theory and Welfare Economics*; K. J. Lancaster, *Mathematical Economics*; T. Koopmans, *Three Essays on the State of Economic Science*, Essay I; G. Debreu, *The Theory of Value, an Axiomatic Approach*; P. Newman, *The Theory of Exchange*.

32(a) Classes

33 Econometrics

Mr Tymes. Twenty-five lectures, Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II: *Econometrics*, II 8a (third year).

(Note It will be assumed that the students attending this course either have taken Elementary Statistical Theory at Part I or are taking Elements of Statistical Theory and Methods at Part II.)

Syllabus Introduction to methods of statistical estimation and testing of economic theories. Special problems of statistical inference arising from simultaneous relations, distributed time lags and autocorrelated disturbances. A study of recent applied econometric work.

Recommended reading A. A. Walters, *An Introduction to Econometrics*; J. Johnston, *Econometric Methods*.

33(a) Classes

Twenty-five classes.

34 Econometric Theory

Dr Hendry. Twenty lectures, Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II: *Econometric Theory*, II 7b; X 7 and 8d; B.Sc. (Maths.) Part II: 5-8h (third year).

Syllabus Multiple regression, generalised least squares, linear stochastic models and identification, two and three stage least squares, limited and full information maximum likelihood estimates.

Recommended reading J. Johnston, *Econometric Methods*; A. Goldberger, *Econometric Theory*; E. Malinvaud, *Statistical Methods of Econometrics*.

34(a) Classes

Twenty classes.

35 Applied Econometrics

Dr Wymer. Twenty lectures, Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II: *Applied Econometrics*, II 8b; X 7 and 8e (third year).

Syllabus Introduction to data problems in econometrics. Index numbers. Social accounting and input-output analysis. Some recent applied econometric work.

Recommended reading will be given at the beginning of the course.

35(a) Classes**36 Mathematical Economics I**

Professor Hahn.

(i) Twenty-eight lectures, Michaelmas and Lent Terms, for second-year students.

(ii) Ten lectures, Michaelmas Term, for third-year students.

For B.Sc. (Econ.) Part II: *Mathematical Economics I*, II 1b; X 1 and 2a (ii); XI 1b; B.Sc. (Maths.) Part II: 5, 6, 7 and 8f.

Syllabus Maximizing behaviour (the Kuhn-Tucker theorem). Production sets, cost functions, profit functions, the substitution theorem, Pareto-efficiency, consumer theory including intertemporal choice and uncertainty, and portfolio

selection. Application of all these topics to various problems including pure theory of international trade and welfare economics. Keynesian general equilibrium and simple growth theory.

Recommended reading J. P. Quirk and R. Saposnik, *Introduction to General Equilibrium Analysis*; K. J. Lancaster, *Mathematical Economics*; D. Gale, *Linear Economic Models*; M. Morishima, *Equilibrium and Growth*; R. G. D. Allen, *Macro-Economics*.

36(a) Classes**37 Mathematical Economics II: Special Topics**

Professor Morishima and Dr Bliss.

(i) Ten lectures, Summer Term, for second-year students.

(ii) Thirty lectures, Michaelmas and Lent Terms, for third-year students.

For B.Sc. (Econ.) Part II: *Mathematical Economics II*, II 2b; X 1 and 2b ii; XI 2a; B.Sc. (Maths.) Part II: 5, 6, 7 and 8g.

Syllabus Linear economics; Marxian economics; dynamics; trade and welfare.

37(a) Classes**INDUSTRY AND TRADE****38 Economics of Industry and Trade**

Professor Yamey and Mr Townsend.

For B.Sc. (Econ.) Part II: *Industry and Trade*, IV 5; V 4b; XI 5, 6 and 7h(ii).

Part I The Structure of Industry

Eighteen lectures, Lent and Summer Terms, for second-year students.

Syllabus 1 Vertical integration: economic implications in various market situations. 2 Size of firms: economies and diseconomies of scale; empirical investigation of optimal scale. 3 Conditions of entry: "barriers" to entry; implications of

barriers. 4 Concentration: the concentration ratio; concentration and market power; concentration, size of market, and growth of market. 5 Specialisation and diversification. 6 Industrial structure and economic performance: price and non-price competition; prices; profits; innovation. 7 Economics of mergers. A detailed outline and reading list will be given at the beginning of this part of the course.

Part II A Selection of Topics relating to Particular Industries, Markets and Public Policy Measures

Twelve lectures, Michaelmas and Lent Terms, for third-year students.

A list of topics will be given at the beginning of this part of the course.

38(a) Classes

Twenty classes, beginning in the Summer Term of the second year and continuing in the Michaelmas Term of the third year.

39 Economics of Public Enterprise

Mr Foldes and Mrs Sharp.

Ten lectures, Lent Term.

For B.Sc. (Econ.) Part II: *Business Administration*, IV 4; V 2b; *Industry and Trade*, IV 5; V 4b; XI 5, 6 and 7h(ii) (third year). Optional for B.Sc. (Econ.) Part II: *Public Finance*, I 3d or 8e; II 3j or 8d (third year).

Syllabus The special problems of Government-owned and Government-controlled enterprises, including control by Parliament and Government, methods of organization, control of competition and the determination of investment, output and prices.

Recommended reading On Pricing and Investment: G. Dessus, "The General Principles of Rate-fixing in Public Utilities" (*International Economic Papers*, No. 1); R. Turvey (Ed.), *Public Enterprise*; J. Nelson (Ed.), *Marginal Cost Pricing in Practice*; I. M. D. Little, *A Critique of Welfare Economics*; P. Massé, *Optimal Investment Decisions*; K. J.

Arrow, "Uncertainty and the Economics of Medical Care" (*The American Economic Review*, 1963). On Organization and Finance: A. A. Hanson (Ed.), *Nationalisation: a Selection of Readings*; The Select Committee on Nationalized Industries, Reports on Ministerial Control (House of Commons Paper, 1968); White Paper, *Nationalised Industries: A Review of Economic and Financial Objectives* (Cmnd. 3437, 1967); White Paper, *Fuel Policy* (Cmnd. 3438, 1967); White Paper, *Railway Policy* (Cmnd. 3439, 1967).

40 Business Administration: The Organization of Business Enterprises and Problems of Business Policy

Mr Foldes, Mr Gould and Mr Bromwich. Ten lectures, Summer Term (second year) and fifteen lectures, Michaelmas and Lent Terms (third year).

For B.Sc. (Econ.) Part II: *Business Administration*, IV 4; V 2b. Michaelmas Term only; for M.Sc.: *Theory of Optimal Decisions*, IV 4(v) (preliminary year).

Syllabus A selection from the following topics:

(a) Theory of Decisions: the structure of decision problems. Linear problems. Uncertainty and time. Criteria for investment. Stock control. Layout and scheduling problems. Location. Special pricing systems. Hire or buy.
(b) Theory of Organizations: Conflict and co-operation. Theory of games. The aims of capitalists, managers and workers. The aims of organizations. Division of labour, delegation, authority and communication. Review of particular administrative techniques, including administration charts, standard systems of organization, budgets, accounts, internal pricing systems. Recruitment, promotion, training and retirement systems. Predictive models of administrative action.

Recommended reading Background reading: H. A. Simon, *The New Science of Management Decision*; I. J. D. Bross, *Design for Decision*; F. C. Hooper, *Management Survey*; A. Rappoport, *Games*,

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Fights and Debates, Part II; A. Etzioni, *Modern Organizations*; H. Raiffa, *Decision Analysis*.

Main texts: W. Baumol, *Economic Theory and Operations Analysis* (2nd edn., chaps. 1-6, 11-13, 22-25); M. Alexis and C. Z. Wilson (Eds.), *Organizational Decision Making* (relevant parts); R. M. Cyert and J. G. March, *A Behavioral Theory of the Firm*.

40(a) Classes

LABOUR ECONOMICS

41 Labour Economics

Dr Primorac, Mr Metcalf, Mr Bosanquet and Mr Richardson. Thirty lectures, Sessional.

For B.Sc. (Econ.) Part II: *Economics of Labour*, I 8f; III 8e; IV 6, 7 and 8e (second year).

Syllabus The working population: numbers, quality, deployment and mobility. Collective bargaining: monopoly power and bargaining power. Methods of wage determination: areas and procedures. Industry-wide bargaining; effects of full employment. Minimum wage regulation. Analysis of wages structure. Movements in money wage rates. National incomes policy. Technical change and structural unemployment. Analysis of strikes. Analysis of Donovan Report.

Recommended reading E. H. Phelps Brown, *Labor Economics* (1962); B. McCormick and E. Smith (Eds.), *The Labour Market* (Penguin); *Report on Trade Unions and Employers' Associations* (Donovan Report). Further reading will be given at the beginning of the course.

41(a) Classes

Twenty classes.

BUSINESS FINANCE

42 The Capital Market

Mr Alford. Ten meetings, Michaelmas Term.

For B.Sc. (Econ.) Part II: *Business Finance*, IV 6, 7 and 8g (third year).

Syllabus Framework of the U.K. capital market; the characteristics and functions of the chief financial institutions; banks; hire purchase finance companies; investment and unit trusts; insurance companies; official and semi-official financial institutions; the Stock Exchange and the new issue market; monetary policy.

Recommended reading H. B. Rose, *Economic Background to Investment*, Parts 2 and 5; C.O.I., Reference Pamphlet 24, *British Financial Institutions* and 65, *The British Banking System* (H.M.S.O.); F. W. Paish, *Business Finance* (3rd edn.); J. Bates, *The Financing of Small Business*; Investors Chronicle Ltd., *The New "Beginners Please"*, chaps. 3, 4, 6; A. Vice, *Balance Sheet for Takeovers* (Hobart Paper 3).

PUBLIC FINANCE

43 The Economics of Public Finance

Professor Prest. Twenty lectures, Lent and Summer Terms.

For B.Sc. (Econ.) Part II: *Public Finance*, I 3d or 8e; III 3j or 8d (second year).

Syllabus The principles behind the allocation of functions between the private and the public sector; the theory of public goods and related topics. Analysis of the allocation and distribution effects of taxes on income, output, value added, wealth and the like. Analysis of fiscal policy and debt management, and discussion of problems of control of the economy. Central-local government financial relationships. The main institutional references will be to the U.K., but some attention will also be given to other countries, especially the U.S.A.

Recommended reading A. R. Prest, *Public Finance in Theory and Practice* (4th edn.); A. Williams, *Public Finance and Budgetary Systems*; J. F. Due, *Government Finance* (4th edn.); R. A. Musgrave, *Fiscal Systems*.

43(a) Classes

Twenty classes, Lent and Summer Terms (second year).

Economics

44 Economic Aspects of British Social Services

Mr Layard and Mr Bosanquet. Ten lectures, Lent Term.

For B.Sc. (Econ.) Part II: *Public Finance*, I 3d or 8e; III 3j or 8d; B.A./B.Sc. (Soc.) Branch III, 3 (second year). Optional for Dip. Soc. Admin. (second year and one-year).

Syllabus The nature of the important general economic issues raised by the provision of social services will be considered and the conclusions will be used in the examination of aspects of particular British services. A detailed reading list will be given at the beginning of the course.

MONETARY ECONOMICS

45 Money - An Introduction

Professor Walters. Ten lectures, Lent Term.

For B.Sc. (Econ.) Part II: *Principles of Monetary Economics*, III 6 (second year).

Description of course The basic characteristics of money. The Quantity Theory and portfolio adjustment. Empirical evidence.

Recommended reading M. Friedman, "Money" (*Encyclopaedia of Social Sciences*, 1968); A. A. Walters, *Money in Boom and Slump* (Hobart Paper 44, I.E.A., 1969); C. Goodhart, *British Monetary Policy 1957-1967*.

46 English Monetary History since 1914

Eight lectures, Michaelmas Term. This course will not be given in the session 1970-71.

For B.Sc. (Econ.) Part II: *Monetary Institutions*, III 7 (third year).

Recommended reading J. H. Clapham, *The Bank of England*; T. E. G. Gregory, *Select Statutes, Documents and Reports; Report of the Committee on Finance and Industry* (Cmnd. 3897, 1931); E. Nevin,

The Mechanism of Cheap Money; R. S. Sayers, *Central Banking after Bagehot; Financial Policy, 1939-45*; H. Clay, *Lord Norman*; L. V. Chandler, *Benjamin Strong*; J. C. R. Dow, *The Management of the British Economy, 1945-60*.

47 U.S. and Other Monetary Systems

Mr Griffiths. Ten lectures of one-and-a-half hours, Lent Term.

For B.Sc. (Econ.) Part II: *Monetary Institutions*, III 7 (third year).

Recommended reading U.S. Board of Governors of the F.R.S., *Federal Reserve System: Purposes and Functions*; M. Friedman and A. J. Schwartz, *Monetary History of the United States*, chaps. 8-12; J. S. G. Wilson, *Monetary Policy and the Development of Money Markets*, chaps. 7 and 8; Clay J. Anderson, *A Half-Century of Federal Reserve Policy-Making, 1914-1964; Federal Reserve Bulletin; Monthly Review* of the F.R.B. of New York.

48 The British Monetary System

Mr Alford. Ten meetings of one-and-a-half hours each, Summer Term.

For B.Sc. (Econ.) Part II: *Principles of Monetary Economics*, III 6 (second year).

Syllabus The flow-of-funds approach. Banks and other financial intermediaries. Determinants of the volume of bank deposits. Debt management. Monetary policy.

Recommended reading *Report of the U.K. Committee on the Working of the Monetary System* (Radcliffe Report) (Cmnd. 827, 1959); R. S. Sayers, *Modern Banking* (7th edn.); R. L. Crouch, "The Inadequacy of 'New Orthodox' Methods of Monetary Control" (*The Economic Journal*, Dec. 1964); also comments and reply in *The Economic Journal*, Dec. 1965; "The Influence of Nonbank Financial Intermediaries" (chap. 12 in Ritter (Ed.), *Money and Economic Activity*); A. B. Cramp, "Control of the Money Supply" (*The Economic Journal*, June 1966); G. Clayton, "British Financial Intermediaries

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in Theory and Practice" (*The Economic Journal*, Dec. 1962); R. S. Sayers, "Monetary Theory and Policy in England" (*The Economic Journal*, Dec. 1960); C. M. Kennedy, "Monetary Policy" (chap. 9 in G. D. N. Worswick and P. Ady, *The British Economy in the 1950s*); E. V. Morgan, *Monetary Policy for Stable Growth* (Hobart Paper 27); J. C. R. Dow, *The Management of the British Economy 1945-60* (chaps. 9 and 12); *Bank of England Quarterly Bulletin*, *passim*.

48(a) Classes

Five classes, Michaelmas Term, for third-year students.

49 International Monetary Economics

Professor Day. Michaelmas Term. For B.Sc. (Econ.) Part II: *Principles of Monetary Economics*, III 6 (third year).

Recommended reading L. B. Yeager, *International Monetary Relations*; J. E. Meade, *Balance of Payments*; H. G. Johnson, *International Trade and Economic Growth* (esp. chaps. 4 and 6); League of Nations, *International Currency Experience*; A. G. Ford, *The Gold Standard* (esp. chap. 1); R. Triffin, *Gold and the Dollar Crisis*.

49(a) International Monetary Economics (Seminar),

Professor Day. Fortnightly, Lent Term, in connection with Course No. 49.

50 Seminar in Monetary Economics

Mr Alford. Ten seminars, Michaelmas and Lent Terms. For B.Sc. (Econ.) Part II: special subject Monetary Economics (third year).

Recommended reading will be given during the course.

51 Monetary Theory

Mr Miller. Fifteen lectures, Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II: *Principles of Monetary Economics*, III 6 (third year).

Recommended reading The review article on "Monetary Theory and Policy" (*The American Economic Review*, June 1962) by H. G. Johnson, besides being essential reading provides an excellent bibliography for most aspects of the subject. Students will be expected to be already familiar with the following background books: *Report of the U.K. Committee on the Working of the Monetary System* (Radcliffe Report) (Cmnd. 827, 1959); R. S. Sayers, *Modern Banking* (edns. 5 and subsequent); W. T. Newlyn, *The Theory of Money*, 1962. Further reading will be given at the beginning of the course.

51(a) Classes

Ten classes, Lent Term.

INTERNATIONAL ECONOMICS

52 International Economics

Dr Hindley and Mr Petith. Twenty lectures, Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II: *International Economics*, I 8b; III 8b (third year).

Syllabus Pure theory of international trade, covering welfare, tariffs, customs unions classical and neoclassical models, and growth. Monetary aspects of trade, covering foreign investment and the theory of international economic policy including balance of payments and international financial institutions.

Recommended reading R. A. Mundell, *The Pure Theory of International Trade*; *The American Economic Review*, L, No. 1, March 1960, pp. 67-110; H. R. Hellwe, *International Trade, Theory and Empirical Evidence*; Selected readings from R. E. Caves and H. G. Johnson, *Readings in International Economics* and R. N. Cooper, *International Finance*.

52(a) Classes

Economics

TRANSPORT ECONOMICS

53 Economics of Transport

Mr Thomson. Five lectures, Summer Term.

For B.Sc. (Econ.) Part II: *Economics and Geography of Transport*, XV 7 and 8h (second year).

Syllabus This course will consist of a general introduction to the subject.

Recommended reading G. Walker, *Road and Rail*; C. D. Foster, *The Transport Problem*; K. M. Gwilliam, *Transport and Public Policy*; D. Munby (Ed.), *Transport* (Penguin Modern Economics).

53(a) Classes

54 Economics and History of Transport

Mr Thomson. Twenty lectures, Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II: *Economics and Geography of Transport*, XV 7 and 8h (third year); M.Sc.: *Economics of Transport*, IV 4(x) (final year).

Students taking Course No. 231 are advised to attend this course if they have not already done so.

Syllabus The course will be concerned principally with major current problems in transport.

Recommended reading Alan Day, *Roads* (Mayflower Press); G. J. Roth, *Paying for Parking* (Institute of Economic Affairs, 1967); Ministry of Transport, *Report on Carrier's Licensing* (Geddes Report) (H.M.S.O., 1965); J. Hibbs, *Transport for Passengers* (Institute of Economic Affairs); D. St. J. Thomas, *The Rural Transport Problem*; White Paper on *Railway Policy*, 1967; A. S. Svendsen, *Sea Transport and Shipping Economics*; J. R. Meyer, J. F. Kain and M. Wohl, *The Urban Transportation Problem*; White Papers on *Transport Policy*, 1966, and on the *Economic and Financial Objectives of the Nationalised Industries*, 1967; Ministry of Transport, *Road Pricing*, 1964.

54(a) Classes

II Graduate Courses

(A) M.Sc. in Economics

ECONOMIC THEORY I AND II AND METHODS OF ECONOMIC INVESTIGATION

55 Preliminary-Year Mathematics for Economists

Mr Glaister. Sessional.

For M.Sc.: *Economic Theory I and II*, IV 1 and 2; *Methods of Economic Investigation*, IV 3 (preliminary year).

Description of course The course will cover elements of differential calculus, determinants, the mathematical methods of comparative statics, and an introduction to matrix algebra.

Recommended reading G. Hadley, *Linear Algebra*; R. G. D. Allen, *Mathematical Analysis for Economists*; A. Kooros, *Elements of Mathematical Economics*.

55(a) Classes

Sessional.

56 Preliminary-Year Statistics for Economists

Mr J. J. Thomas. Sessional.

For M.Sc.: *Economic Theory I and II*, IV 1 and 2; *Methods of Economic Investigation*, IV 3 (preliminary year).

Description of course Section I: Introduction, probability theory, frequency distributions. The binomial and normal distributions. Sampling theory. Estimation and hypothesis testing. Section II: Correlation analysis. Simple linear regression. Multiple regression analysis. Time-series problems.

Recommended reading Section I: P. G. Hoel, *Elementary Statistics*; J. E. Freund and F. J. Williams, *Modern Business Statistics*; T. H. Wonnacott and R. J. Wonnacott, *Introductory Statistics*. Section II: Lecture notes and a reading list will be given at the beginning of the course.

56(a) Classes
Sessional.

57 Preliminary-Year Micro-Economics

Dr Perlman. Twenty lectures, Michaelmas and Lent Terms.

For M.Sc.: *Economic Theory II*, IV 2 (preliminary year).

Reading Those students who have not studied economics before should ensure before taking this course that they are thoroughly acquainted with R. G. Lipsey, *An Introduction to Positive Economics*, (2nd edn., parts 1-5). G. J. Stigler, *Theory of Price* (3rd edn.) and W. J. Baumol, *Economic Theory and Operations Analysis*, (2nd edn.), are good general texts.

57(a) Classes

Eighteen classes, Sessional.

58 Preliminary-Year Macro-Economics

Mr Griffiths. Twenty lectures, Michaelmas and Lent Terms.

For M.Sc.: *Economic Theory I*, IV 1 (preliminary year).

Reading Those students who have not studied economics before should ensure before taking this course that they are thoroughly acquainted with R. G. Lipsey *An Introduction to Positive Economics*, (2nd edn., part 1 and parts 6-10). The main content of the course is to be found in T. F. Dernburg and D. M. McDougall, *Macro-Economics*, and G. Ackley, *Macro-Economic Theory*.

58(a) Classes

Eighteen classes, Sessional.

59 Final-Year Mathematics for Economists.

Dr Kuska. Twenty lectures, September, 1970.

For M.Sc.: *Economic Theory I and II*, IV 1 and 2; *Methods of Economic Investigation*, IV 3 (final year).

Description of course The course will cover the following topics: an introduction to matrix algebra, partial differentiation, differentials, determinants, maximization and minimization, and the mathematical methods of comparative statics.

Reading Essential preliminary reading: a treatment of the differential calculus of one variable. Suitable expositions may be found in one of the following: T. Yamane, *Mathematics for Economists*, chaps. 1, 2 and 3 or A. Kooros, *Elements of Mathematical Economics*, chaps. 1-5 or R. G. D. Allen, *Mathematical Analysis for Economists*, chaps. 1-10. Course reading: T. Yamane, *op. cit.*, chaps. 4, 5, 10, 11 and section 12.4 of chap. 12 or A. Kooros, *op. cit.*, chaps. 6, 7, 11 and 12 or R. G. D. Allen, *op. cit.*, chaps. 11-14 and 17-19; and C. F. Christ, *Econometric Models and Methods*, chap. 3.

59(a) Classes

Ten classes, September, 1970.

60 Statistical Theory for Economists

Mr Spencer. Twenty lectures, September, 1970.

For M.Sc.: *Economic Theory I and II*, IV 1 and 2; *Methods of Economic Investigation*, IV 3 (final year).

Description of course Section I: Introduction, probability theory, frequency distributions. The binomial and normal distributions. Sampling theory. Estimation and hypothesis testing. Section II: Correlation analysis. Simple linear regression. Multiple regression analysis. Time-series problems.

Reading For Section I: J. E. Freund and F. J. Williams, *Modern Business Statistics* or P. G. Hoel, *Elementary Statistics*.

60(a) Classes

Ten classes, September, 1970.

61 Final-Year Micro-Economics

Professor Walters. Twenty lectures, Michaelmas and Lent Terms.

For M.Sc.: *Economic Theory II*, IV 2 (final year).

Description of course 1 Demand and supply curves - derivation, use and interpretation, and empirical evidence. Derived demands and elasticity laws, measurements of the value of exchange. 2 Utility and household behaviour - properties of utility functions and inter-temporal problems. Risk and utility. The permanent income hypothesis. 3 Production, technology and costs - feasible sets, the efficient frontier and the production function. Technical progress. Monopoly, oligopoly and imperfect competition. 4 Distribution and allocation - marginal productivity and the theory of wages. Monopsony.

Selected reading M. Friedman, *Price Theory - A Provisional Text*; J. R. Hicks, *Value and Capital*; G. J. Stigler, *The Theory of Price* (3rd edn.).

62 Final-Year Macro-Economics

Professor H. G. Johnson. Forty lectures, Michaelmas and Lent Terms.

For M.Sc.: *Economic Theory I*, IV 1 (final year).

Description of course A. Macro-economics. The simple Keynesian model of income-determination. The theory of economic policy. The consumption function. The theory of investment. Business cycles. Problems of stabilization policy. Models of economic growth. Keynesian theory *versus* quantity theory. B. Monetary Theory. The classical quantity theory. The Keynesian theory of money. The demand for money and liquidity. Quantity theory, portfolio balance, and inventory-theoretic approaches. The supply of money and monetary policy. Financial intermediation. Money and general equilibrium theory. Inflation theory. Money in growth models. The monetary standard and international monetary arrangements.

Selected reading J. M. Keynes, *The General Theory of Employment, Interest and Money*; D. Patinkin, *Money, Interest and Prices* (2nd edn.); J. G. Gurley and E. S. Shaw, *Money in a Theory of Finance*; M. J. Bailey, *National Income and the Price Level*; W. T. Newlyn, *Theory of Money*;

H. G. Johnson, *Essays in Monetary Economics*; R. S. Thorn (Ed.), *Monetary Theory and Policy*.

62(a) Classes

63 Methods of Economic Investigation

Dr Wallis. Forty lectures, Michaelmas and Lent Terms.

For M.Sc.: *Methods of Economic Investigation*, IV 3 (final year).

Description of course The purpose of this course is to present the more frequently used techniques of empirical investigation in economics. In addition to the methods employed, it illustrates the advantages and difficulties involved in their application.

(i) Introduction to Econometrics

Recommended reading C. F. Christ, *Econometric Models and Methods*.

(ii) Case Studies

Recommended reading A detailed list of empirical articles will be given at the beginning of the course.

63(a) Classes

ADVANCED ECONOMIC THEORY I: Theory of Economic Growth

ADVANCED ECONOMIC THEORY II: Linear Economic Models

64 Theory of Economic Growth

Dr Ozga. Thirty lectures, Michaelmas and Lent Terms.

For M.Sc.: *Advanced Economic Theory I*, IV 4 (i) (final year).

Description of course General properties of one-sector and two-sector models of economic growth. The characteristics of

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their paths of steady growth and the conditions of their convergence onto those paths. The concepts and the analysis of embodied and disembodied technical progress. Dynamic Leontief models and Von Neumann model.

Selected reading R. G. D. Allen, *Macro-Economic Theory*; W. J. Baumol, *Economic Dynamics*; F. H. Hahn and R. C. O. Matthews "The Theory of Economic Growth: A Survey" (*The Economic Journal*, December 1964); J. R. Hicks, *Capital and Growth*.

64(a) Classes
Ten classes.

65 Linear Economic Models
Dr Ozga. Thirty lectures,
Michaelmas and Lent Terms.

For M.Sc.: *Advanced Economic Theory II*, IV 4 (ii) (final year).

Description of course An introduction to linear programming, input-output and games theory. Dynamic production models and the Von Neumann model. Application of activity analysis to economic theory.

Selected reading H. B. Chenery and P. B. Clark, *Interindustry Economics*; R. Dorfman, P. A. Samuelson and R. M. Solow, *Linear Programming and Economic Analysis*; D. Gale, *The Theory of Linear Economic Models*; G. Hadley, *Linear Programming*.

65 (a) Classes
Ten classes.

66 Turnpike Theorem and Related Topics

Dr Kuska. Six lectures, Summer Term.

For M.Sc.: *Advanced Economic Theory I and II*, IV 4 (i) and (ii) (final year).

Description of course The concepts and the analysis of efficient and optimal programmes of capital accumulation. Formulation and proof of the Turnpike Theorem.

HISTORY OF ECONOMIC THOUGHT

67 History of Economic Thought (Economic Theory in Retrospect)

Dr Devletoglou. Twenty lectures,
Michaelmas and Lent Terms.

For M.Sc.: *History of Economic Thought*, IV 4(iii); VI 4(v) (final year).

Description of course The emphasis of this course is on the Development of Economic Analysis: its relation to policy issues and its methodological and philosophical underpinnings. Particular consideration is given to classical and post-classical development.

Selected reading M. Blaug, *Economic Theory in Retrospect*; J. A. Schumpeter, *The History of Economic Analysis*.

67(a) Classes

THEORY OF COMPARATIVE COST AND COMMERCIAL POLICY INTERNATIONAL MONETARY ECONOMICS

68 The Theory of Commercial Policy

Professor H. G. Johnson.
Ten lectures, Lent Term.

For M.Sc.: *Theory of Comparative Cost and Commercial Policy*, IV 4(iv) (final year).

Description of course The theory of the optimum tariff and tariff retaliation. Tariffs, the terms of trade and the distribution of income. The cost of protection. Distortions of competition and the case for protection; the infant industry argument for protection. The theory of tariff structure and effective protection. The theory of tariff bargaining. The theory of customs unions and preferential trading arrangements.

Selected reading G. Haberler, *The Theory of International Trade*; H. G. Johnson,

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Economic Policies Toward Less Developed Countries (chaps. 3, 4, 6); J. Bhagwati, "A Survey of the Theory of International Trade" (*Economic Journal*, March, 1964); M. C. Kemp, *The Pure Theory of International Trade*; J. Vanek, *International Trade: Theory and Economic Policy*; R. E. Caves and H. G. Johnson (Eds.), *Readings in International Economics*; J. E. Meade, *The Theory of International Economic Policy*, Vol. II, *Trade and Welfare and A Geometry of International Trade*.

68(a) Classes
Five classes, Lent Term.

69 International Monetary Economics

Dr Swoboda. Ten lectures of two hours each, Lent and Summer Terms.

This course will be given only if there is sufficient demand.

For M.Sc.: *International Monetary Economics*, IV 4(xviii) (final year).

Description of course The balance of payments and the foreign exchange market. "Automatic" adjustment mechanisms under alternative international monetary standards. The analysis of currency depreciation: the elasticity *versus* the absorption approach. The transfer problem. Growth and the balance of payments. National economic policy, the balance of payments, and the adjustment mechanism. Policy mixes under fixed and flexible exchange rates. International monetary problems: liquidity and the world price level; confidence and the crisis problem; the speed, cost, and burden of adjustment. The efficiency of alternative international monetary systems.

Selected reading R. E. Caves and H. G. Johnson (Eds.), *Readings in International Economics* (chaps. 21-25, 31); H. G. Johnson, *International Trade and Economic Growth*, Part III; J. E. Meade, *The Theory of International Economic Policy*, Vol. I, *The Balance of Payments*; F. Machlup and B. G. Malkiel (Eds.), *International Monetary Arrangements: The Problem of*

Choice; H. Ellis and L. Metzler (Eds.), *Readings in the Theory of International Trade* (chaps. 4-8); R. A. Mundell, *International Economics*; L. B. Yeager, *International Monetary Relations*.

69(a) Classes

70 International Trade

Dr Makower. Ten lectures,
Michaelmas Term.

For M.Sc.: *Theory of Comparative Cost and Commercial Policy*, IV 4(iv) (final year).

Description of course The course will deal with the factors determining the flows of international trade in real terms. Topics: the doctrine of comparative cost where only one factor of production is assumed; the analysis of international trade assuming more than one factor of production; the role of production functions; the role of relative factor endowments; changes in factor endowment and technology.

70(a) Classes

Five classes, Lent Term.

71 Seminar on International Trade
Professor H. G. Johnson.

Weekly, Sessional, starting in the sixth week of the Michaelmas Term.

For M.Sc.: *Theory of Comparative Cost and Commercial Policy*, IV 4(iv); *International Monetary Economics* IV 4(xviii). Other students will be admitted only by permission of Professor Johnson, to whom application should be made in writing.

THEORY OF OPTIMAL DECISIONS

72 Theory of Optimal Decisions

Mr Foldes. Thirty lectures,
Sessional.

For M.Sc.: *Theory of Optimal Decisions*, IV 4(v) (final year).

Description of course Models for optimal decisions under certainty and uncertainty, with applications to problems of business and public policy. (Applications in 1970-71 will probably be mainly in the field of investment planning in business.)

Recommended reading Selected parts of the following: W. Baumol, *Economic Analysis and Operational Research*; K. H. Borch, *Economics of Uncertainty*; R. D. Luce and H. Raiffa, *Games and Decisions*; H. Chernoff and L. E. Moses, *Elementary Decision Theory*; P. Massé, *Optimal Investment Decisions*; J. Hirschleifer, *Investment, Interest and Capital*; S. H. Archer and C. A. D'Ambrosia, *Readings in Business Finance* (parts); F. S. Hillier, *The Evaluation of Risky Interdependent Investments*.

72(a) Classes

Ten or fifteen classes, Lent and Summer Terms.

LABOUR ECONOMICS

73 Labour Economics

Dr Primorac. Twenty lectures, Michaelmas and Lent Terms.

For M.Sc.: *Labour Economics*, IV 4(vi); VIII 2(i), XXIII option j (final year) and other graduate students.

Description of course The analysis of the demand for and supply of labour in particular employments. The analysis of collective bargaining: monopoly power and bargaining power of combinations of employers and of employees; theory of bargaining. The pay structure. The allocative function of differentials and of changes in differentials between industries and between occupations. Minimum wage legislation. The size and composition of the labour force. Hours of work. Labour mobility. Unemployment. Some problems of wage policy and labour market policy under full employment. Types of theory of the share of labour in the national product. The distribution of the national product

in the course of economic growth; effects of technical innovation and of the accumulation of capital on the share of labour.

Selected reading A. Rees, *The Economics of Trade Unions*; E. H. Phelps Brown, *Labor Economics*; A. M. Cartter, *Theory of Wages and Employment*; R. Perlman, *Labor Theory*; B. J. McCormick and E. Owen Smith (Eds.), *The Labour Market*.

73(a) Classes

Twenty classes, Michaelmas and Lent Terms.

ANALYSIS OF MONETARY INSTITUTIONS AND MONETARY THEORY

74 United Kingdom Monetary History

This course will not be given in the session 1970-71.

For M.Sc.: *Monetary History and Analysis of Monetary Institutions*, IV 4(vii) (final year).

75 Analysis of Monetary Institutions

Mr Alford. Ten one-and-a-half hour meetings, Lent Term.

For M.Sc.: *Analysis of Monetary Institutions and Monetary Theory*, IV 4(viii) (final year).

76 Topics in Monetary Theory

Mr Griffiths and Mr Miller. Ten meetings of one-and-a-half hours, Michaelmas and Lent Terms, beginning in the sixth week of the Michaelmas Term.

For M.Sc.: *Analysis of Monetary Institutions and Monetary Theory*, IV 4(viii) (final year).

77 Econometrics in the Monetary Field—A Survey

Professor Walters and Mr Miller. Ten meetings of one-and-a-half hours, Michaelmas and Lent Terms.

For M.Sc.: *Analysis of Monetary Institutions and Monetary Theory*, IV 4(viii) (final year).

ECONOMICS OF PUBLIC ENTERPRISE

In the session 1970-71 no graduate courses will be provided for M.Sc.: *Economics of Public Enterprise*, IV 4(ix).

ECONOMICS OF TRANSPORT

78 Seminar in Transport Economics
Mr Thomson. Sessional.

For M.Sc.: *Economics of Transport*, IV 4(x).

PUBLIC FINANCE

79 The Economics of Public Finance

Professor Prest. Twenty lectures, Michaelmas and Lent Terms.

For M.Sc.: *Public Finance*, IV 4(xi).

Description of course The lectures will examine in detail the role of the public sector in the modern economy. This will lead to discussion of the inter-relationships between problems of public goods, externalities and cost benefit analysis, and the possible advantages of political solutions. Problems of the optimum supply of particular government services will also be discussed. Taxes on personal and corporate income, outlay, value added and wealth will be analysed in detail.

Selected reading R. A. Musgrave, *The Theory of Public Finance*; R. A. Musgrave, *Fiscal Systems*; L. Johansen, *Public*

Economics; A.E.A., *Readings in the Economics of Taxation*; A. R. Prest, *Public Finance in Theory and Practice*, 4th edition; C. S. Shoup, *Public Finance*; J. M. Buchanan and G. Tullock, *The Calculus of Consent*.

80 Seminar in Public Sector Economics

Professor Prest. Fortnightly, Michaelmas and Lent Terms.

For M.Sc.: *Public Finance*, IV 4(xi) (final year). Others may attend by permission of Professor Prest.

ECONOMICS OF INDUSTRY

81 Economics of Industry

Professor Yamey. Twenty lectures of one-and-a-half hours, Michaelmas and Lent Terms.

For M.Sc.: *Economics of Industry*, I 2; IV 4(xii), XXIII option e (final year).

Description of course 1 Analysis of the structure of industries: size-distribution of plants and firms; concentration; vertical integration; specialization and diversification; conditions of new entry. 2 Expansion and contraction of industries and changes in their structure; changes in concentration, market shares and ranks, vertical integration, and specialization and diversification. The process of structural change: entry, exit and mergers. 3 The economics of innovation in industry. 4 The relation between industrial structure, forms of competitive behaviour, and economic performance. 5 The economics of sales promotion. 6 Public policy in relation to the structure and performance of industries (selection of topics).

Selected reading G. J. Stigler, *The Organisation of Industry*; R. E. Caves (Ed.), *Britain's Economic Prospects*, chap. 7; J. S. Bain, *Barriers to New Competition*; R. Evely and I. M. D. Little, *Concentration in British Industry*; National Bureau of Economic Research (Universities—National Bureau Com-

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mittee), *Business Concentration and Price Policy* (papers by Smith, Friedman, Rosenbluth and Adelman); D. Needham (Ed.), *Readings in the Economics of Industrial Organization*.

81(a) Classes

Ten classes, Lent and Summer Terms.

82 Economic Aspects of the Joint Stock Company

Dr Hindley. Ten lectures, Lent Term.

For M.Sc.: *Economics of Industry*, IV 4(xii) (final year).

Description of course 1 Theories of corporate behaviour designed primarily to illuminate the relations between companies and their economic environment. 2 Theories relating to the internal organisation and operation of companies.

ECONOMICS OF POOR COUNTRIES AND THEIR DEVELOPMENT

83 The Economics of Poor Countries and their Development

Professor Bauer and Professor Myint. Twenty lectures, Michaelmas and Lent Terms.

For M.Sc.: *Economics of Poor Countries and their Development*, III 3(iii); IV 4(xiii) (final year); Dip. Development Admin.; Dip. Soc. Admin. overseas option (one-year).

Description of course The relevance and limitations of economics. Characteristics of poor economies. Issues of concept and measurement. The vicious circle of poverty. Aspects of change. Varying degrees of integration between different markets and between different sectors of the economy. Balanced and unbalanced growth. International trade and development. Fiscal and monetary problems of development. Some specific issues of policy.

Recommended reading A. N. Agarwala and S. P. Singh, *The Economics of Underdevelopment*; *P. T. Bauer and B. S. Yamey, *The Economics of Underdeveloped Countries*; G. Ohlen, *Population Control and Economic Development* (O.E.C.D. Report, 1967); *H. G. Johnson, *Economic Policies Toward Less Developed Countries*; *S. Kuznets, *Modern Economic Growth: Rate Structure and Spread*; *W. A. Lewis, *Development Planning*; A. I. MacBean, *Export Instability and Economic Development*; G. M. Meier, *Leading Issues in Development Economics*; *H. Myint, *The Economics of the Developing Countries*; A. R. Prest, *Public Finance in Underdeveloped Countries*; T. W. Schultz, *Transforming Traditional Agriculture*. Starred items are basic reading. Further references will be given during the course.

84 Seminar on the Economics of Poor Countries

Professor Bauer and Professor Myint. Michaelmas and Lent Terms, in conjunction with Course No. 83. Admission will normally be restricted to graduate students working in this field and will be by permission of Professor Bauer or Professor Myint, to whom application should be made in writing.

85 Surplus Labour in Poor Countries

Dr Mazumdar. Five lectures, Michaelmas Term.

For M.Sc.: *Economics of Poor Countries and their Development*, III 3(iii); IV 4(xiii) (final year); Dip. Development Admin.; Special Course for Overseas Administrators. Optional for M.Sc.: *Economic Problems of the Communist World I and II*, IV 4(xvi) and (xvii) (final year).

Description of course The course will examine the theory of disguised unemployment and the empirical evidence bearing on it. The problem of evaluating the "shadow wage" will be discussed.

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85(a) Classes

Five classes, Michaelmas Term.

86 Economic Problems of Public Investment and Planning in Underdeveloped Countries

Dr Mazumdar. Ten lectures, Michaelmas and Lent Terms.

For M.Sc.: *Economics of Poor Countries and their Development*, III 3(iii); IV 4(xiii) (final year); Dip. Development Admin.; Special Course for Overseas Administrators. Optional for M.Sc.: *Economic Problems of the Communist World I and II*, IV 4(xvi) and (xvii) (final year).

Description of course The course will examine theoretical problems relating to the formulation of investment programmes in underdeveloped countries. It will outline a method of project appraisal relevant to the economic conditions of these countries and relate it to the problems of macro-economic planning. Aspects of planning strategy will be covered: e.g. the theory of the choice of techniques; principles of allocation of investment between producer goods and consumer goods industries, and the problem of import substitution.

86(a) Classes

Ten classes, Michaelmas and Lent Terms.

AGRICULTURAL ECONOMICS

87 Economics of Agricultural Production

Dr Josling. Eight lectures, Michaelmas Term.

For M.Sc.: *Agricultural Economics*, IV 4(xiv) (final year).

Description of course The course will include a survey of resource allocation concepts as employed in the literature, and an evaluation of functional and normative analysis of agricultural production.

Selected reading E. O. Heady, *The Economics of Agricultural Production and Resource Use*; E. O. Heady and J. Dillon, *Agricultural Production Functions*; Z. Griliches, "Research Expenditures, Education and the Aggregate Agricultural Production Function" (*The American Economic Review*, December, 1964). Further references will be given at the beginning of the course.

87(a) Classes

Eight classes, Michaelmas Term.

88 Agricultural Labour Market

Mr Metcalf. Seven lectures, Lent Term.

For M.Sc.: *Agricultural Economics*, IV 4(xiv) (final year). Optional for M.Sc.: *Labour Economics*, IV 4 (vi).

Syllabus The operation of the agricultural labour market in the U.K., U.S. and certain developing countries. For the advanced countries special attention will be paid to problems of income distribution and rural poverty. For developing areas special attention to hypothesis of surplus agricultural labour and to problems caused by urban unemployment.

Recommended reading will be given at the beginning of the course.

88(a) Classes

Seven classes, Lent Term.

89 Agricultural Policy in an Industrial Setting

Dr Josling. Ten lectures, Lent Term.

For M.Sc.: *Agricultural Economics*, IV 4(xiv) (final year).

Description of course The course will consider the place of agriculture in industrial economies, the formation and objectives of agricultural policy, the effects of agricultural policy on income distribution and asset creation, and the sources of conflict between trade and domestic policy objectives. Attention will also be given to the effect on agriculture of general economic policy measures.

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Selected reading D. E. Hathaway, *Government and Agriculture*; G. McCrone, *The Economics of Subsidising Agriculture*; D. G. Johnson, "Agriculture and Foreign Economic Policy" (*Journal of Farm Economics*, 1964).

Further references will be given at the beginning of the course.

89(a) Classes

Ten classes, Lent Term.

90 Seminar in Agricultural Economics

Mr Metcalf and Dr Josling. Sessional.

For M.Sc.: *Agricultural Economics*, IV 4(xiv) (final year).

ECONOMIC ASPECTS OF ACCOUNTING

The courses for M.Sc.: *Economic Aspects of Accounting*, IV 4(xv) are listed in the section on Accounting and Finance.

ECONOMIC PROBLEMS OF THE COMMUNIST WORLD I: Soviet Economic Structure

ECONOMIC PROBLEMS OF THE COMMUNIST WORLD II: Techniques in Normative and Indicative Planning

91 Soviet Economic Structure

Professor Wiles. Thirty lectures, Michaelmas and Lent Terms.

For M.Sc.: *Economic Problems of the Communist World I: Soviet Economic Structure*, IV 4(xvi) (final year). Also suitable for undergraduates.

Description of course The changing institutional framework and mechanisms of the economy, 1917-64: their intellectual origins; the actual performance of the economy.

Recommended reading A. Nove, *The Soviet Economy*, 2nd edn.; K. Marx, *Value* (sometimes written "Wages"), *Price and Profit*; P. J. D. Wiles, *The Political Economy of Communism*; H. Schwartz, *Russia's Soviet Economy*, 2nd edn.; *Political Economy* (the official Soviet textbook). Further reading will be given during the course.

92 Introduction to National Planning

Mr Markowski and Professor Wiles. Twenty lectures, Michaelmas and Lent Terms.

For M.Sc.: *The Economics of Poor Countries and their Development*, IV 4(xiii); *Economic Problems of the Communist World I and II*, IV 4(xvi) and (xvii). Also suitable for undergraduates.

Description of course The general theory of planning: in France, in the U.K. war economy; in U.S.S.R.; in India.

Recommended reading B. Gross (Ed.), *Action Under Planning*; J. Tinbergen, *Central Planning*; P. J. D. Wiles, *The Political Economy of Communism*; P. Bauchet, *Economic Planning, The French Experience*; J. E. Meade, *Planning and the Price Mechanism*; B. Ward *The Socialist Economy*.

Further reading will be given during the course.

93 Techniques in Normative and Indicative Planning

Dr Zauberman. Thirty lectures, Michaelmas Term.

For M.Sc.: *Economic Problems of the Communist World II*, IV 4(xvii) (final year); optional for M.Sc.: *Economics of Poor Countries and their Development*, IV 4(xiii) (final year).

Description of course This course will deal with techniques and tools in both normative and indicative planning. I *Consistency checking techniques*
1 Material balances. 2 Formalized inter-sectoral consistency instruments. (a) Static Leontief-type system as a planning tool. (b) Dynamic Leontief-type system as a planning instrument; some simplified

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and quasi-dynamic instruments.

II Optimization techniques

1 Traditional techniques. 2 Formalized techniques. (a) Macro-production function in planning. Linear programming. Experiments with simpler models of nonlinear programming. (b) Some models of dynamic planning. Bellman (optimal principle) type of models. "Dynamic planning" models of the Kantorovich school. Plan models based on the Pontryagin (maximum principle) construct.

III *Problems of dimensions (other than time)*
1 Methods of aggregation in traditional planning. Formalized aggregation.

Leontief (1967) model of "reduction".
2 Methods of decomposition employed in planning. The Dantzig-Wolfe construct; experiments with game-theoretic Brown-Robinson and "naive" methods.

IV *Objective function in formalized planning*
Time horizon reconsidered in the context.

V *Value parameters in planning*

1 Price parameter under centralized and decentralized regimes. 2 Time-discount and investment-efficiency norm in planning (West and East).

VI *Planning under uncertainty*

1 Stochastic versus deterministic approach in planning. The Tintner-Sengupta "active" and "passive" and the chance-constrained Charnes-type approaches.

2 Some simple probabilistic techniques adopted in plan-programming.

VII Outline and interpretation of some formalized plan models designed and employed or experimented with in West and East.

Recommended reading A. Zauberman, *Aspects of Planometrics* (1967) and literature referred to there—as introduction.

94 Problems of Planning Techniques (Seminar)

Dr Mazumdar, Professor Wiles and Dr Zauberman. Sessional, beginning in the sixth week of the Michaelmas Term. Attendance is by permission of Dr Mazumdar.

For M.Sc.: *Economic Problems of the Communist World I and II*, IV 4 (xvi) and

(xvii) (final year). Optional for M.Sc.: *Economics of Poor Countries and their Development*, IV 4(xiii) (final year).

95 Economic Problems of the Communist World (Seminar)

Professor Wiles, Dr Zauberman and Mr Markowski. Sessional.

For M.Sc.: *Economic Problems of the Communist World I and II*, IV 4(xvi) and (xvii). Admission by permission of Professor Wiles, Dr Zauberman or Mr Markowski.

ECONOMICS OF EDUCATION AND HUMAN CAPITAL

96 Economics of Education

Mr Layard. Ten lectures, Michaelmas and Lent Terms.

For M.Sc.: *Economics of Education and Human Capital*, IV 4(xix); *Educational Statistics*, XXII 8. Optional for M.Sc.: *Labour Economics*, IV 4(vi); VIII 2(i); XXIII option j; *Public Finance*, IV 4(xi); *Economics of Poor Countries and their Development*, IV 4(xiii); B.Sc. (Econ.) Part II, *Public Finance*, I 3d and 8e; III 3j and 8d; *Labour, including Elements of Labour Law*, IV 6, 7 and 8e (third year).

Syllabus Education as a social and private investment: the rate-of-return approach, using salary differentials, the production function approach, using time series or international comparisons of input and output. Educational planning: the manpower approach (using rate-of-return analysis and/or manpower forecasting) versus the approach based on forecasting the private demand for education. The relationship between these methods. The financing of education: public versus private finance (e.g. with loans), public versus private provision (e.g. with vouchers). The productivity of educational institutions. The economics of brain drain.

Recommended reading M. Blaug (Ed.), *Penguin Modern Economics Readings, Economics of Education 1 and 2*; G. S.

Becker, *Human Capital*; O.E.C.D., *The Residual Factor and Economic Growth*; Z. Griliches, "Research Expenditure, Education and the Agricultural Production Function" (*The American Economic Review*, April 1964); R. G. Hollister, "The Economics of Manpower Forecasting" (*International Labour Review*, 1964); P. R. G. Layard and J. C. Saigal, "Educational and Occupational Characteristics of Manpower: An International Comparison" (*British Journal of Industrial Relations*, July 1966); M. Blaug, "Approaches to Educational Planning" (*The Economic Journal*, June 1967); M. Friedman, *Capitalism and Freedom*, chaps. 2 and 6; H. G. Johnson, "Some Economic Aspects of Brain Drain" (*Pakistan Development Review*, Autumn 1967); M. Blaug, R. Layard and M. Woodhall, *The Causes of Graduate Unemployment in India*; S. Bowles, "Towards an Educational Production Function" in W. L. Hansen (Ed.), *Education and Income, Conference Research on Income and Wealth*, 1969.

97 Workshop in the Economics of Education

Mr Layard. Fortnightly, Sessional. For M.Sc.: *Economics of Education and Human Capital*, IV 4(xix); *Manpower Planning*, VIII 2(vi); XXIII option n. This workshop will proceed systematically through the advanced literature in the subject. Admission by permission of Mr Layard.

98 The Economics of Human Capital

Mr Richardson. Ten lectures, Michaelmas and Lent Terms.

For M.Sc.: *Economics of Education and Human Capital*, IV 4(xix). Optional for M.Sc.: *Labour Economics*, IV 4(vi); VIII 2(i); XXIII option j.

Description of course The usage of the concept of human capital in the history of economics. Some aspects of the general theory of investment, in particular, the problems of assessing the profitability

of alternative investments. The modification of this general theory to suit the immediate needs of human capital problems. Some specific human capital problems (e.g. education and training, human capital and the income distribution, labour mobility, the economics of information and the economics of certain health problems).

Recommended reading G. Becker, *Human Capital*.

99 Economics of Research and Development

Professor H. G. Johnson. Four lectures, Lent Term.

For M.Sc.: *Economics of Education and Human Capital*, IV 4(xix). Optional for M.Sc.: *Labour Economics*, IV 4(vi); VIII 2(i); XXIII option j.

Description of course Knowledge as a factor of production in a generalized capital-theoretic approach. Welfare problems in the provision of productive knowledge in a competitive system. The problem of basic as distinguished from applied research. Problems of university research and of government science policy. Optimality rules for investment in the production of knowledge. Knowledge as a consumption good.

Recommended reading will be available at the beginning of the session.

(B) M.Sc. in Econometrics and Mathematical Economics

100 Seminar in Quantitative Economics

Professor Morishima, Professor Gorman, Professor Sargan and others. Sessional.

For M.Sc.: *Quantitative Economics*, I and II, V 1 and 2(i) and (ii).

Description of course Papers will cover recent work in quantitative economics, the econometric models and methodology used, and an economic interpretation of the results.

Recommended reading S. J. Prais and E. S. Houthakker, *Analysis of Family Budgets*; M. Friedman, *The Consumption Function*; C. Christ, *Measurement in Economics*; R. Stone, *A Programme for Growth*, Vols. 1-5; N.B.E.R., *Models of Income Determination*; J. S. Duesenberry, G. Fromm, L. R. Klein, E. Kuh, *The Brookings-S.S.R.C. Quarterly Econometric Model of the U.S. Economy*.

101 Econometric Methodology for Quantitative Economics

Professor Sargan. Ten lectures, Michaelmas Term.

For M.Sc.: *Quantitative Economics I*, V 1 and 2(i).

Description of course More applied aspects of econometric methods. Dummy variables. Demographic variables. Instrumental variables with applications to permanent income hypothesis. Simultaneous equations systems with applications to production functions. Extraneous estimators and the combination of several samples. Covariance analysis.

Recommended reading as for Course No. 100.

102 Aggregation in Economics and Econometric Models

Professor Gorman. Five lectures, Lent Term.

For M.Sc.: *Quantitative Economics II*, V 1 and 2(ii).

103 Advanced Mathematical Economics

For M.Sc.: *Advanced Mathematical Economics I and II*, V 2(v) and (vi).

Students will be expected to be familiar with the work for the undergraduate paper Mathematical Economics I.

(i) General Equilibrium Analysis
Professor Hahn. Twenty lectures, Michaelmas Term.

(ii) Theory of Growth
Professor Morishima. Twenty lectures, Lent Term.

(iii) Special Topics
Professor Morishima. Eight lectures, Michaelmas Term.

(iv) Optimum Growth
Professor Mirrlees. Ten lectures, Lent Term.

(v) Duality
Professor Gorman. Sixteen lectures, Lent and Summer Terms.

(vi) Aggregation
Professor Gorman. Eight lectures, Lent Term.

104 Seminar in Mathematical Economics

Professor Hahn, Professor Gorman and Professor Morishima. Fortnightly, Sessional.

For M.Sc.: *Advanced Mathematical Economics I and II*, V 2(v) and (vi).

105 Econometric Theory

Professor Sargan. Twenty-five lectures, Sessional.

For M.Sc.: *Econometric Theory I and II*, V 2(iii) and (iv); XII 3(vi); XXII 5; XXIII option d.

Description of course Least squares, Aitken generalized, with lagged endogenous variables, heteroskedastic and autoregressive errors. Two-stage and three-stage least squares. Limited and full information maximum likelihood estimates.

Recommended reading J. Johnston, *Econometric Methods*; A. S. Goldberger, *Econometric Theory*; E. Malinvaud, *Statistical Methods of Econometrics*.

105(a) Classes

Twenty classes, Michaelmas and Lent Terms.

106 Seminar in Econometrics

Professor Sargan and Professor Gorman. Fortnightly, Sessional.

For M.Sc.: *Econometric Theory I and II*, V 2(iii) and (iv). Others will be admitted only by permission of Professor Gorman or Professor Sargan.

(C) M.Sc. in Regional and Urban Planning Studies

107 Seminar in Regional and Urban Economics

Professor Day. Fifteen meetings, Lent and Summer Terms.

For M.Sc.: *The Economics of Regional and Urban Planning*, XIV 1.

III Other Graduate Courses

For courses intended primarily for M.Sc. students, see under the appropriate M.Sc. heading.

108 Problems in Industrial Administration

Professor Sir Ronald Edwards. Sessional (evening). Admission strictly by permission of Professor Sir Ronald Edwards.

The seminar, which is organized jointly with the London Graduate School of Business Studies, will be attended by industrialists, professional businessmen and civil servants as guests, and each discussion will be based on a paper prepared and circulated in advance. The papers will be concerned with such matters as the following: distinctive features of cost, demand, organization and management in different firms and industries; marketing, including export business; economic and other considerations affecting industrial design;

organization and economics of research; the development of new enterprises; industrial location in the light of present government policy; labour relations and the human factor; relations with trade associations and government departments.

109 Monetary Economics: Theory and Testing

Professor H. G. Johnson and Mr Alford. Michaelmas and Lent Terms.

This seminar is for staff and graduate students working for the M.Phil and Ph.D. degrees. It will cover general monetary theory, and theory and testing in relation to: (a) the U.K. monetary system, (b) the U.S. monetary system, and (c) the international monetary system. Application for admission should be made in writing to Mr Alford in the first week of the Michaelmas Term.

110 Research Seminar in the Economics of Education

Professor Blaug. Fortnightly, Lent and Summer Terms.

For academic staff and research students. Optional for M.Sc.: *Economics of Education and Human Capital*, IV 4(xix). Admission by permission of Professor Blaug.

111 Workshop in Economic Research

Professor H. G. Johnson, Professor Walters and Mr J. J. Thomas. Sessional.

For research degree students. This workshop offers students writing dissertations the opportunity to present their work for criticism and advice by staff and fellow students.

112 Computer Programs for Economists

Dr Hendry, Dr S. Robinson, Professor Sargan and Dr Wymer. Lent Term.

For research degree students in Economics. This course will consider programs designed to apply a variety of

econometric methods, including analysis of time-series data, autocorrelation problems, simultaneous equation models, prediction and simulation, and the estimation of non-linear equations.

113 Contemporary Economics

Professor H. G. Johnson. Michaelmas Term.

An informal discussion group for M.Sc. and other graduate students in Economics.

IV Additional Courses for Undergraduates and Graduates

114 Behaviouralism and Economic Analysis

Dr Devletoglou. Five lectures, Michaelmas Term.

Suitable for graduate students.

Description of course A survey of the major recent attempts to emphasize human behaviour in economic analysis in a manner compatible with current developments in the behavioural disciplines. The lectures will concentrate on the theory of consumer and firm behaviour, but will also consider problems in macro-behaviour.

Recommended reading N. Georgescu-Roegen, *Analytical Economics*, 1966, Parts I and II; F. M. Nicosia, *Consumer Decision Processes*, 1966; A. G. Papandreou, "Some Basic Problems in the Theory of the Firm" (*A Survey of Contemporary Economics*, Vol. II, A.E.A., 1952); J. A. Howard, *Buyer and Executive Behavior*, 1963; R. M. Cyert and J. G. March, *A Behavioral Theory of the Firm*, 1963; N. E. Devletoglou, "A Dissenting View of Duopoly and Spatial Competition" (*Economica*, May, 1965); H. A. Simon, "Theories of Decision-Making in Economics and Behavioural Science" (*Surveys of Economic Theory*, A.E.A.-R.E.S., 1966); N. E. Devletoglou and P. A. Demetriou,

"Choice and Threshold" (*Economica*, November, 1967); N. E. Devletoglou, "Threshold and Rationality" (*Kyklos*, Fasc. 3, 1969).

115 Economic Institutions Compared

Professor Wiles. Ten lectures, Lent Term.

Primarily for undergraduates.

Description of course Capitalism, classical Communism, Titoism, French planning.

116 Introduction to Linear Programming

Dr Makower. Five lectures, Lent Term.

Suitable for undergraduates.

117 Recent Theories of Business Behaviour

Mr Townsend. Five lectures, Summer Term. This course will not be given in the session 1970-71.

118 Methodology of Cost Benefit Studies of the Location of Airports

Professor Walters. Four lectures, Lent Term.

For graduate students and undergraduates by permission of Professor Walters.

119 The Political Economy of Opulence

Professor H. G. Johnson. Five lectures, Michaelmas Term.

Description of course The course will attempt to present an integrated approach to the study of modern economic problems in terms of applications of capital theory. It will deal with such problems as advertising, distribution theory and the economics of education.

120 Economic Planning in India

Dr Mazumdar. Five lectures, Lent Term.

Description of course The course will consider the theoretical models influencing

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allocation of investment between different sectors in the Five-Year Plans and the impact of the plans on the development of the economy.

121 Marxian Economics

Professor Wiles. Ten lectures, Lent Term.

Recommended reading will be given at the beginning of the course.

122 The Economics of Futures Trading

Professor Yamey. Five lectures, Lent Term.

Description of course Special features of futures contracts and their markets. Intertemporal price relationships and hedging. Speculation, hedging and price movements.

Recommended reading will be given at the beginning of the course.

123 Monetary Problems of the Underdeveloped Countries

Mr Griffiths. Five lectures, Lent Term.

Description of course The course will consider the relevance of the existing theory of monetary control to developing countries; the choice of monetary and fiscal policies and the problem of foreign debt and proposals for international monetary reform.

124 Control-Theoretic Approach to Planning

Dr Zauberman. Six lectures, Michaelmas Term.

Suitable for graduate students.

Recommended reading will be given at the beginning of the course.

125 Welfare Economics

Dr S. Robinson. Five lectures, Lent Term.

Description of Course A brief survey of the major results of neo-classical welfare economics, with special emphasis on the concept of a social welfare function. A Marxist criticism of the theory will be developed based on the idea of changing preferences over time.

Recommended reading will be given at the beginning of the course.

126 Some Economic Problems of Public Enterprise

Mr Turvey. Ten lectures, Lent Term.

For third-year undergraduates and M.Sc. students.

Description of course First-order conditions for optimality; second-best; problems of tariff simplification; marginal cost in a dynamic setting; systems analyses of cost structure; practical examples.

Recommended reading R. Turvey (Ed.), *Public Enterprise* (Penguin Modern Economics); R. Turvey, *Optimal Pricing and Investment in Electricity Supply*.

127 Political Economy of Communist China

Dr Mazumdar, Mr Appa and guest speakers. Sixteen meetings, Michaelmas and Lent Terms.

Syllabus It is hoped to cover the following topics: economic geography of China; history of twentieth-century China; political, economic and social changes in Communist China; Chinese foreign policy; Mao's ideas and influence. The actual content will depend on the guest speakers available, and the interests of the students attending the course.

Recommended reading will be given at the beginning of the course.

Accounting and Finance

Accounting and Finance

132 Preliminary Accounting

Professor Baxter and others.
Eight lectures, Michaelmas Term.

For B.Sc. (Econ.) Part I.

This is an optional introduction to accounting for students who may take the subject at Part II. The aim is to explain the subject's scope, the organization of the accounting profession, and the kind of careers that it offers.

133 Accounting I: Introduction

Professor Edey. Fifteen lectures and thirteen classes, Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II (second year): *Accounting and Finance*, V 6, 7 and 8; *Accounting—Management and Economic Aspects*, I 3b; II 5d; III 3b; IV 6, 7 and 8h; *Management Data Processing*, XI 5, 6 and 7a; B.Sc. (Maths.) 5-8e (second year).

Syllabus: The balance sheet and the income account. Assets and finance. Flow of funds statements. Interpretation.

Recommended reading H. C. Edey, *Business Budgets and Accounts*, chaps. 1-3; *Introduction to Accounting*; F. W. Paish, *Business Finance*; A. A. Robichek and S. C. Myers, *Optimal Financing Decisions*, chap. 2. Reference may also be made to W. T. Baxter and S. Davidson (Eds.), *Studies in Accounting Theory*.

134 Accounting IIa: Financial Accounting

Mr French. Twelve lectures and twelve classes, Lent and Summer Terms.

For B.Sc. (Econ.) Part II: *Accounting and Finance*, V 6, 7 and 8 (second year).

Note Accounting I (Course No. 133) is a prerequisite for Accounting IIa.

Syllabus The nature and significance of limited liability companies; the formation and financing of a new company; the legal requirements relating to company accounts; the preparation of company final accounts; the revenue account including dividend policy; the balance sheet with particular reference to capital

maintainance and capital structure; the interpretation of the final accounts of companies; group structure and group accounts. The course will include work in the use of compound interest and annuity tables.

Recommended reading The works mentioned under Accounting I, Course No. 133; H. Bierman and A. Drebin, *Financial Accounting: An Introduction*; B. S. Yamey, "The Development of Company Accounting Conventions" (*Three Banks Review*, September 1960); F. W. Paish, *Business Finance*; H. C. Edey, "Accounting Principles and Business Reality" in H. C. Edey and B. V. Carsberg (Eds.), *Modern Financial Management*. Reference may be made to *The Companies Acts*, 1948 and 1967; *Report of the Company Law Committee* (Cmd. 1749, 1962); H.M.S.O. 1960-62 *Minutes of Evidence taken before the Company Law Committee*; K. F. Byrd, *The Preparation of Candidates Balance Sheets of Holding and Subsidiary Companies*. For descriptions of company accounting practice see Rowland, *Principles of Accounts*; E. E. Spicer and E. C. Pegler, *Book-keeping and Accounts* or Jones, *Guide to Company Balance Sheets*. For an American approach see M. J. Gordon and G. Shillinglaw, *Accounting: a Management Approach*.

135 Accounting IIb: Management Information Systems

Professor Flower. Ten lectures and ten classes, Lent Term.

For B.Sc. (Econ.) Part II (second year): *Accounting and Finance*, V 6, 7 and 8; M.Sc.: Accounting and Finance (preliminary year).

Note Accounting I (Course No. 133) is a prerequisite for Accounting IIb.

Syllabus The information requirements of the firm. The value of perfect and imperfect information. Design of manual and mechanised accounting systems. Internal control, with special emphasis on control accounts. Basic features of electronic data processing systems. Elementary computer programming using the Fortran language. Further aspects of electronic data processing including its economic justification, design and

Accounting and Finance

implementation of systems, audit and control, and time-sharing.

Recommended reading H. N. Laden and T. R. Gildersleeve, *System Design for Computer Applications*; R. H. Gregory and R. L. Van Horn, *Automatic Data-Processing Systems*.

136 Accounting IIc: Budgetary Planning and Control

Mr Bromwich. Nine lectures and eight classes, Summer Term.

For B.Sc. (Econ.) Part II: *Accounting and Finance*, V 6, 7 and 8; *Accounting—Management and Economic Aspects*, I 3b; II 5d; III 3b; IV 6, 7 and 8h (second year).

Syllabus An examination of models of the integrated process of planning and control, with special reference to those of the accountant. Cost analysis for decision making. Linear programming and business decision budgets; pricing; budgetary models and simulation; planning and control by feedback; rate of return on investment and transfer prices as methods of control.

Recommended reading H. C. Edey, *Business Budgets and Accounts*, chaps. 1, 2, 5, 6, 7; M. Spencer, *Managerial Economics*, chaps. 3, 10; C. T. Horngren, *Accounting for Management Control*, chaps. 6, 11; W. J. Baumol, *Economic Theory and Operations Analysis* (2nd edn.) D. Solomons (Ed.), *Studies in Cost Analysis* (2nd edn.). Reference may also be made to H. A. Simon, *The New Science of Management Decision*; D. Solomons, *Divisional Performance: Measurement and Control*, chaps. 3-5; C. R. Bonini, R. K. Jaedicke and H. M. Wagner, *Management Controls: New Directions in Basic Research*; M. Alexis and C. Wilson, *Organisational Decision Making*.

137 Accounting IIIa: Capital Budgeting

Mr Bromwich. Fifteen lectures and twelve classes, Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II (third year): *Accounting and Finance*, V 6, 7 and 8;

Accounting—Management and Economic Aspects, I 3b; II 5d; III 3b; IV 6, 7 and 8h; M.Sc.: *Economic Aspects of Accounting I and II*, I 1; IV 4(xv); XXIII A 1 and 2; *Management Accounting*, XII 3(iv); XXIII option 1; M.Sc.: Accounting and Finance (preliminary year).

Syllabus Cost analysis for decision making; corporate strategy. Capital budgeting, including the cost of capital concept and risk and uncertainty in project appraisal; optimal financial structure. Linear programming and business decision budgets. The control of accepted projects.

Recommended reading Relevant parts of: W. J. Baumol, *Economic Theory and Operations Analysis* (2nd edn.); H. I. Ansoff, *Corporate Strategy*; W. T. Baxter and S. Davidson, *Studies in Accounting Theory* (2nd edn.); H. Bierman and S. Smidt, *The Capital Budgeting Decision* (2nd edn.); J. T. S. Porterfield, *Investment Decisions and Capital Costs*; E. Solomon, *The Management of Corporate Capital*; E. Solomon, *The Theory of Financial Management*; D. Novick, *Program Budgeting*.

138 Accounting IIIb

Professor Baxter and Professor Edey. Eighteen meetings, Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II (third year): *Accounting and Finance*, V 6, 7 and 8; M.Sc.: *Economic Aspects of Accounting I and II*, I 1; XXIII A 1 and 2; M.Sc.: Accounting and Finance (preliminary year).

Syllabus Problems of finance and financial accounting, with particular reference to such topics as company accounting procedures, capital structure, reconstructions and mergers, valuation of business interests, and measurement of income.

Recommended reading Relevant parts of W. T. Baxter and S. Davidson (Eds.), *Studies in Accounting Theory*; J. C. Bonbright, *The Valuation of Property*, chaps. I to XII, and XXVI; B. V. Carsberg and H. C. Edey (Eds.), *Modern Financial Management*; R. H. Parker and G. C. Harcourt (Eds.), *Readings in the Concept and Measurement of Income*. Reference

Accounting and Finance

may be made to such standard textbooks as E. E. Spicer and E. C. Pegler, *Book-keeping and Accounts* (16th edn.); R. N. Anthony, *Management Accounting*; M. J. Gordon and G. Shillinglaw, *Accounting: a Management Approach*. Other works will be recommended during the course.

139 History of Accounting

Professor Yamey and Mr de Ste. Croix. Three lectures, at times to be arranged.

For B.Sc. (Econ.) Part II (third year): *Accounting and Finance*, V 6, 7 and 8; M.Sc.: *Economic Aspects of Accounting I and II*, I 1; XXIII A 1 and 2 and others interested.

140 Accounting and Economic Theory

Mr Gould. Six weekly meetings, Michaelmas Term.

For B.Sc. (Econ.) Part II: *Accounting and Finance*, V 6, 7 and 8 (third year).

Syllabus Topics in economic analysis of particular relevance to accounting will be discussed.

141 Accounting for Non-Specialists

Lecturer to be announced. Seven meetings, Lent Term.

For B.Sc. (Econ.) Part II (third year): **Whole Course:** *Accounting—Management and Economic Aspects*, I 3b; II 5d; III 3b; IV 6, 7 and 8h; **First five meetings only:** B.Sc. (Econ.) Part II: *Management Data Processing*, XI 5, 6 and 7a; B.Sc. (Maths.) 5-8e.

Syllabus Revision of Courses Nos. 133 and 136.

Recommended reading As for Courses Nos. 133 and 136.

142 Business Finance for Trades Union Studies Course

Mr J. W. Smith. Ten meetings, Lent Term.

FOR GRADUATE STUDENTS

148 Business Finance for Diploma in Personnel Management

Mr J. W. Smith. Ten meetings, Lent Term.

149 Valuation and Accounting Theory

Professor Baxter. Michaelmas Term.

For M.Sc.: *Economic Aspects of Accounting I and II*, I 1; XXIII A1 and 2.

150 Simulation Models

Professor Flower. Ten lectures and ten classes, Lent Term.

Students taking this course for M.Sc. in Accounting and Finance will be examined on a written report.

151 Long-Term Planning and Control

Mr Bromwich. Michaelmas and Lent Terms.

For M.Sc.; *Economic Aspects of Accounting I and II*, I 1; IV 4(xv); XXIII A1 and 2.

152 Topics in Cost-Benefit Analysis

Mr French. Ten lectures, Lent Term.

For M.Sc.: *Economic Aspects of Accounting I and II*, I 1.

153 Management Accounting for Non-Specialists

Professor Edey. Twenty meetings, Michaelmas and Lent Terms.

For M.Sc.: *Economic Aspects of Accounting I*, IV 4(xv); *Management Accounting*, XII 3(iv); XXIII option 1. M.Sc. students in Accounting and Finance may also attend.

Accounting and Finance

154 Problems in Accounting and Finance

Professor Edey. Ten meetings, Michaelmas Term.

For M.Sc.: *Economic Aspects of Accounting I and II*, I 1; IV 4(xv); XXIII A1 and 2.

155 Capital Budgeting

Professor Carsberg. Twenty meetings, Lent Term.

For M.Sc.: *Economic Aspects of Accounting I and II*, I 1; IV 4(xv); XXIII A 1 and 2.

156 Introductory Mathematics for Accounting and Finance

A special course will be arranged for the M.Sc. preliminary year.

Note For M.Sc. (preliminary year) courses in micro-economics and macro-economics see Courses Nos. 28(i) and 28(ii). For M.Sc. (final year) course in Economics of Industry see Course No. 81.

Geography

Geography

Courses are given in the Joint School of Geography at the London School of Economics and at King's College, London. Academic arrangements are integrated and, in most courses, students are taught in common by teachers of both colleges. However, the introduction of college syllabuses for the B.Sc. has meant the introduction of separate teaching provision for part of this degree and has involved some re-arrangement of courses for other degrees. All students should take care to identify the courses needed to complete their specific degree requirements. Systematic and regional course units in Geography are given in lists A and B on pages 212-4. Reference to these lists is made in the rubrics of the courses concerned.

COURSES FOR B.Sc. (ECON.) PART I

182 Introduction to Human Geography

Professor Wise. Thirty-five lectures, Sessional.

For B.Sc. (Econ.) Part I: alternative subject 12, *Human Geography*.

Syllabus The scope of modern geography. An introductory survey of the progressive extensions of the known world, of the evolution of geographical thought, and current ideas on the development of the subject. The approach is that of selecting topics to introduce students to more specific examples of thought and method, and to an evolution of modern work in the fields of economic and social geography. Some of the themes which are dealt with in greater detail include: the concepts of "environment" in geography; changing theoretic concepts; man's modification of the environment; the regional concept, including economic and urban regions; location of settlement; the locational approach in geography; population analysis and immigration; economic activity; applied

geography; urban settlements. In each theme considerable emphasis will be given to spatial and locational values, with special reference to new theories and techniques.

Recommended reading M. Chisholm, *Geography and Economics*; R. J. Chorley and P. Haggett, *Factors in Geographical Teaching*; J. I. Clarke, *Population Geography*; G. R. Crone, *The Background to Geography*; R. E. Dickinson, *City and Region*; R. C. Estall and R. O. Buchanan, *Industrial Activity and Economic Geography*; P. Haggett, *Locational Analysis in Human Geography*; R. Minshull, *Regional Geography*; L. D. Stamp, *Applied Geography*; P. L. Wagner, *The Human Use of the World*; S. W. Wooldridge and W. G. East, *The Spirit and Purpose of Geography*.

182(a) Geography Class Mr Drewett and others.

COURSES FOR B.Sc. AND B.Sc. (ECON.) PART II

Note Students reading for B.Sc. are required to attend three field classes, one in each year of their course. Students reading Geography as a special subject in Part II of the B.Sc. (Econ.) are required to attend two field classes, one in the second and one in the third year of their course. The field classes are normally of one week's duration and are customarily arranged during the Easter vacation.

183 Physical Geography

Compulsory for B.Sc. (first year): 1 course unit.

I Landforms

Dr Embleton, Dr Brunnsden and Mr D. K. C. Jones. Twenty-five lectures, Sessional.

Syllabus The nature and effects of tectonic and erosional processes in the evolution of landscape.

Geography

Recommended reading M. Morrisawa, *Streams*; C. A. M. King and C. E. Embleton, *Glacial and Periglacial Geomorphology*; C. A. M. King, *Beaches and Coasts*; A. Holmes, *Principles of Physical Geology*; P. Birot, *Cycle of Erosion Under Different Climates*.

II Meteorology and Climatology

Dr M. Jones and Mr Drewett. Twenty-five lectures, Sessional.

Syllabus Elementary and descriptive meteorology. An introduction to the principles of physical and dynamic climatology. The elements of micro-climatology.

Recommended reading G. T. Trewartha, *An Introduction to Climate*; H. Riehl, *Introduction to the Atmosphere*; G. T. Trewartha, *The Earth's Problem Climates*; R. G. Barry and R. J. Chorley, *Atmosphere, Weather and Climate*; H.M.S.O., *A Course in Elementary Meteorology*.

III Biogeography

Dr Rose and Mrs Whatley. Twenty-five lectures, Sessional.

Syllabus The ecosystem concept; relationships between climate, soil and vegetation. An introduction to the biology of plants; the plant and its environment, productivity of plant communities. The world soil and vegetation groups. The principles of ecology as applied to some major world ecosystems. Principles of biogeography. Man and vegetation; the history of the British flood as an example of man's interactions with vegetation. Conservation.

Recommended reading R. L. Donahue, *Soils*; C. S. Elton, *Animal Ecology* (1966 reprint); S. R. Eyre, *Vegetation and Soils*; J. R. Matthews, *Origin and Distribution of the British Flora*; E. P. Odum, *Ecology* (Modern Biology Series); *Fundamentals of Ecology* (1968); A. G. Tansley, *Britain's Green Mantle* (1968).

184 Man and his Physical Environment

Mr D. K. C. Jones and Mrs Rees. Forty-five lectures, Sessional.

For B.Sc. (Econ.) Part II: *Man and his Physical Environment*, XV 7 and 8f (normally taken in third year); B.Sc. A 24 (second or third year): $\frac{1}{2}$ course unit (selected lectures).

Syllabus Concepts of systems, resources, conservation and management. The physical environment as the stage of man's activities. Aspects of the atmosphere, lithosphere, hydrosphere and biosphere subsystems and the ways in which they affect and are affected by man. Case studies of system interactions and implications for planning. Economic criteria in man's development of the landscape.

Recommended reading R. Arvill, *Man and Environment*; I. Burton and R. W. Kates, *Readings in Resource Management and Conservation*; W. L. Thomas Jr., *Man's Role in Changing the Face of the Earth*; R. J. Chorley (Ed.), *Water, Earth and Man*.

185 Human Geography: I

Dr W. B. Morgan and Mr B. S. Morgan. Twenty-five lectures, Sessional.

Compulsory for B.Sc. (first year); with 186: 1 course unit.

Syllabus An introduction to the field of human geography, more especially to the geography of population and to the geography of society. The course will provide a basis for subsequent work in such optional subjects as social, economic and political geography.

Recommended reading R. Arvill, *Man and Environment*; A. Barnett, *The Human Species*; A. M. Bates, *Man in Nature*; Vidal de la Blache, *Principles of Human Geography*; E. Boserup, *The Conditions of Agricultural Growth*; A. M. Carr-Saunders, *World Population*; M. Chisholm, *Rural Settlement and Land Use*; J. I. Clarke, *Population Geography*; C. D. Forde, *Habitat, Economy and Society*; P. Haggett, *Locational Analysis in Human*

Geography

Geography; J. M. Houston, *A Social Geography of Europe*; E. Jones, *Human Geography*; W. L. Thomas Jr., *Man's Role in Changing the Face of the Earth*; P. L. Wagner, *The Human Use of the Earth*; P. L. Wagner and M. W. Mikesell, *Readings in Cultural Geography*; W. Zelinsky, *A Prologue to Population Geography*.

186 Human Geography: II

Dr Lambert and Dr Yates. Twenty-five lectures, Sessional.

Compulsory for B.Sc. (first year). To be taken in conjunction with Course No. 185: 1 course unit.

Syllabus A general study of the interrelation between man and his physical environment from earliest times.

Recommended reading G. Clarke, *World Prehistory: An Outline*; V. G. Childe, *What Happened in History*; W. G. East, *The Geography Behind History: An Historical Geography of Europe*; H. Heaton, *Economic History of Europe*; J. L. Myres, *The Dawn of History*; *Geographical History in Greek Lands*; K. P. Oakley, *Man the Toolmaker*; F. W. Walbank, *The Decline of the Roman Empire in the West*; M. Postan and E. Rich (Eds.), *Cambridge Economic History*, Parts I and II, *The Middle Ages*; H. Pirenne, *Mohammed and Charlemagne*; *Economic and Social History of Mediaeval Europe*; P. Boissonade, *Life and Work in Mediaeval Europe*; S. Cole, *The Neolithic Revolution*; W. E. Le Gros Clark, *History of the Primates*.

187 Spatial Analysis I

Compulsory for B.Sc. (first year): 1 course unit. Optional for B.Sc. (Econ.) Part II: special subject Geography (second year).

(i) Spatial Analysis

Dr Board, Mr Goddard and Mr Spence. Twenty-five classes, Sessional.

Syllabus An introduction to theoretical and quantitative geography; maps and other graphic means of information storage and communication; the analysis

of the regional system: movement, networks, nodes, hierarchies and surfaces.

Recommended reading P. Haggett, *Locational Analysis in Human Geography*; B. J. L. Berry and D. F. Marble, *Spatial Analysis*; R. J. Chorley and P. Haggett (Eds.), *Models in Geography*; M. H. Yeates, *An Introduction to Quantitative Analysis in Economic Geography*.

(ii) Statistical Techniques in Geographical Analysis

Mr Spence. Twenty-five classes, Sessional.

Syllabus An introduction to the use of statistical techniques in geographical analysis, with special reference to computational methods and interpretation.

Recommended reading F. E. Croxton and D. J. Cowden, *Applied General Statistics*; W. C. Krumbein and F. A. Graybill, *Statistical Models in Geology*, chaps. I-VII; H. M. Blalock, *Social Statistics*; L. J. King, *Statistical Analysis in Geography*.

188 Spatial Analysis II

Mr Goddard and Mr Baker. Twenty-five classes, Sessional.

Normally compulsory. For B.Sc. A 25 (second year): $\frac{1}{2}$ course unit.

Syllabus A continuation of Spatial Analysis I, emphasising the practical application of quantitative methods of analysis to geographical problems. The course provides an essential grounding in methods employed in modern geographical literature, especially that referred to in second and third year options in Regional Analysis, Urban Geography, Geography and Planning, Economic Geography and Advanced Geomorphology, as well as certain regional options. The course also provides a technical base for students planning to undertake a dissertation during their third year. The syllabus covers elementary Fortran IV programming, methods of describing and analysing point, line and area patterns, measures of spatial association, the analysis of flow data and methods of classification and regionalisation. Students undertake individual projects in the third term.

Geography

Recommended reading B. J. L. Berry and D. F. Marble, *Spatial Analysis, A Reader in Statistical Geography* (1968); L. J. King, *Statistical Analysis in Geography*.

189 Cartography, Surveying and Aerial Photography

Professor Pugh and Mr Lawrence. Forty lectures, Sessional.

Compulsory for first-year B.Sc. students registered at King's College.

Syllabus The principles of cartography, map construction and analysis, including the elements of map projections and general principles of topographic surveying. An introduction to the interpretation of air photographs and basic sources of topographic data used in geographical studies.

Recommended reading J. A. Steers, *Introduction to the Study of Map Projections*; J. Mainwaring, *An Introduction to the Study of Map Projections*; D. Clark, *Plane and Geodetic Surveying*, Vol. I.; A. H. Robinson and R. D. Sale, *Elements of Cartography*; E. Raisz, *Principles of Cartography*; A. Bannister and S. Raymond, *Surveying*; F. J. Monkhouse and M. R. Wilkinson, *Maps and Diagrams*.

189 (a) Cartography, Surveying and Aerial Photography (Practical)

Mr Lawrence. Twenty classes, Sessional, with one week of practical work in the Easter or Summer vacation.

Compulsory for first-year B.Sc. students registered at King's College.

Syllabus This course is designed to provide elementary instruction in the technical aspects of cartography and of topographic surveying. The course will be partly assessed by the presentation of individual and group work completed in the drawing office and in the field.

190 Economic and Regional Geography of the British Isles

Dr K. R. Sealy, Mr D. K. C. Jones and Mrs Rees. Forty lectures, Michaelmas and Lent Terms.

Compulsory for B.Sc. (second year). Appropriate sections for B.Sc. (Econ.) Part

II: *Economic and Regional Geography of the British Isles*, XV 3 (second year).

Syllabus A detailed treatment of the major regions of the British Isles. Appreciation of the conditions, physical, social and economic, that have influenced the modern pattern of settlement and land use. Special studies of selected industrial and agricultural areas. The modern economic geography of Britain, including distribution of population, location pattern of selected industries, evolution of the present pattern of land use.

Recommended reading L. D. Stamp and S. H. Beaver, *The British Isles*; J. B. Mitchell (Ed.), *Great Britain: Geographical Essays*; A. E. Trueman, *The Scenery of England and Wales*; U.K. Geological Survey and Museum, *British Regional Geology*; L. D. Stamp, *The Land of Britain: Its Use and Misuse*; Land Utilisation Survey of Britain, *The Land of Britain*; Wilfred Smith, *An Economic Geography of Great Britain*; T. W. Freeman, *Ireland*; A. E. Trueman, *The Coalfields of Great Britain*; E. G. Bowen (Ed.), *Wales*; A. E. Smailes, *North England*; J. A. Steers (Ed.), *Field Studies in the British Isles*; J. W. Watson and J. B. Sissons (Eds.), *The British Isles*; E. S. Simpson, *Coal and the Power Industries in Postwar Britain*; J. T. Coppock and H. Prince (Eds.), *Greater London*; K. M. Clayton (Ed.), *Guide to London Excursions*; J. T. Coppock, *An Agricultural Atlas of England and Wales*; Clarendon Press, *Atlas of Britain*; E. Jones and D. J. Sinclair, *The Atlas of London* (1968).

191 Africa I (General)

Professor Harrison Church, Professor Pugh, Dr Board and Dr W. B. Morgan. Twenty-five lectures, Sessional.

For B.Sc. (Econ.) Part II: *Africa*, XV 4a (to be taken in conjunction with either Course No. 192 or Course No. 193); B.Sc. B 1 (second year): $\frac{1}{2}$ course unit.

Syllabus A study of the physical environment and of the distribution of man and his economic activities, especially south of the Sahara. Treatment will be by topics and by countries.

Geography

Recommended reading W. A. Hance, *The Geography of Modern Africa*; R. J. Harrison Church and others, *Africa and the Islands*; H. de Blij, *A Geography of Subsaharan Africa*; J. M. Houston, *Western Mediterranean World*; J. Despois, *L'Afrique du Nord*; A. B. Mountjoy and C. Embleton, *Africa*; B. W. Hodder and D. R. Harris, *Africa in Transition*; M. F. Thomas and G. W. Whittington, *Environment and Land Use in Africa*; A. M. Kaymark, *The Economics of African Development*; Oxford University, *Regional Economic Atlas of Africa*; P. Bohannan, *African Outline*; L. P. Green and T. J. D. Fair, *Development in Africa*.

192 Africa II (West)

Professor Harrison Church and Dr W. B. Morgan. Twenty lectures, Michaelmas and Lent Terms.

For B.Sc. B 2 (third year): $\frac{1}{2}$ course unit; B.Sc. (Econ.) Part II: XV 4a (third year) (students take this course or course no. 193); M.A. (Area Studies); M. Sc.: *Geography of a particular Region*, VII 2(vi).

Syllabus A detailed study of West Africa, with emphasis on the parts played by the physical and cultural environments in economic development.

Recommended reading R. J. Harrison Church, *West Africa*; W. B. Morgan and J. C. Pugh, *West Africa*; K. M. Buchanan and J. C. Pugh, *Land and People in Nigeria*; E. A. Bouteng, *A Geography of Ghana*; B. F. Johnston, *The Staple Food Economics of Western Tropical Africa*.

193 Africa III (Southern)

Dr Board. Twenty lectures with practical work, Michaelmas and Lent Terms.

For B.Sc. B 3 (third year): $\frac{1}{2}$ course unit; B.Sc. (Econ.) Part II: XV 4a (third year) (students take this course or course no. 192).

Syllabus An examination of locational concepts in the regional framework of Southern Africa.

Recommended reading L. P. Green and T. J. D. Fair, *Development in Africa: A Study in Regional Analysis with Special Reference to Southern Africa*; South Africa, Department of Planning, *Development Atlas*; M. H. Yeates, *An Introduction to Quantitative Analysis in Human Geography*; J. Friedman, *Regional Developments Policy*.

194 Europe (excluding the U.S.S.R.)

For B.Sc. (second or third year). The maximum number of course units on Europe is 1 $\frac{1}{2}$. For B.Sc. (Econ.) Part II: *Europe*, XV 4c: (i) (second year) and one other section (third year).

(i) Europe: General Regional Geography

Dr Yates, Mr Sinclair, Mr B. S. Morgan, Professor Harrison Church, Dr J. E. Martin and Mr Lawrence. Twenty-five lectures, Sessional.

For B.Sc. B 4: $\frac{1}{2}$ course unit.

Recommended reading G. W. Hoffman (Ed.), *A Geography of Europe*; M. R. Shackleton, *Europe*.

(ii) Western Europe (France, Belgium, Netherlands, Luxembourg)

Professor Harrison Church, Dr J. E. Martin and Mr Lawrence. Twenty-five lectures, Sessional. This course will not be given in the session 1970-71.

For B.Sc. B 5: $\frac{1}{2}$ course unit.

Recommended reading R. J. Harrison Church and others, *An Advanced Geography of Northern and Western Europe*; P. Pinchemel, *Géographie de la France*, 2 vols; G. Chabot, *Géographie Régionale de la France*; M. Le Lannou, *Les Régions Géographiques de la France*; D. I. Scargill, *Economic Geography of France*.

(iii) West Central Europe (Germany, Austria, Switzerland, Netherlands)

Dr Yates. Sessional.

For B.Sc. B 6: $\frac{1}{2}$ course unit.

Geography

Recommended reading T. H. Elkins, *Germany*; K. Sinnhuber, *Germany, its Geography and Growth*; A. F. A. Mutton, *Central Europe*.

(iv) West Mediterranean Europe (Spain, Portugal, Italy, Mediterranean France)

Mr Sinclair, Michaelmas and Lent Terms. This course will not be given in the session 1970-71.

For B.Sc. B 7: $\frac{1}{2}$ course unit.

Recommended reading J. M. Houston, *The Western Mediterranean World*; D. S. Walker, *Italy*; J. P. Cole, *Italy*; W. B. Fisher and H. Bowen-Jones, *Spain: a Geographical Background*.

(v) Northern Europe (Denmark, Norway, Sweden, Finland)

Mr. Sinclair. Twenty-five lectures, Sessional.

For B.Sc. B 8: $\frac{1}{2}$ course unit.

Recommended reading A. Sømme (Ed.), *A Geography of Norden*; W. R. Mead, *An Economic Geography of the Scandinavian States and Finland*; R. Millward, *Scandinavian Lands*.

(vi) East Central Europe (East Germany, Poland, Czechoslovakia, Hungary, Rumania, Yugoslavia)

Dr Hamilton. Twenty-five lectures, Sessional.

For B.Sc. B 9: $\frac{1}{2}$ course unit.

Recommended reading R. H. Osborne, *East-Central Europe: A Geographical Introduction to Seven Socialist States*; H. G. Wanklyn, *The Eastern Marchlands of Europe*; M. I. Newbiggin, *Geographical Aspects of Balkan Problems*; M. R. Shackleton, *Europe: A Regional Geography* (7th edn.); N. J. G. Pounds, *The Upper Silesian Industrial Region*; G. W. Hoffman, *The Balkans in Transition*; M. Pécsi and B. Sáfalvi, *The Geography of Hungary*; F. E. I. Hamilton, *Yugoslavia: Patterns of Economic Activity*.

195 The U.S.S.R.

Dr Hamilton. Sessional.

For B.Sc. (Econ.) Part II: *U.S.S.R.*, XV 4h (third year); B.Sc. B 10 (second or third year): $\frac{1}{2}$ course unit.

Recommended reading J. P. Cole and F. C. German, *A Geography of the U.S.S.R.*; R. H. Mellor, *The Geography of the U.S.S.R.*; Yu. G. Saushkin, *An Economic Geography of the Soviet Union*; S. Balzak, F. Vasyutin and Ya. Feigin, *Economic Geography of the U.S.S.R.*; W. G. East, *The Soviet Union*; M. R. Shackleton, *Europe: A Regional Geography* (7th edn., Ed. W. G. East); D. J. M. Hooson, *The Soviet Union: A Regional Geography*; J. P. Cole, *The Geography of the U.S.S.R.* (Pelican Books); Violet Connelly, *Beyond the Urals*; A. Nove and J. Newth, *Soviet Central Asia*.

196 Monsoon Asia

Mr Rawson. Twenty-five lectures, Sessional.

For B.Sc. (Econ.) Part II: *Monsoon Asia*, XV 4f (third year); B.Sc. B 11 (second or third year): $\frac{1}{2}$ course unit.

Syllabus Studies of environment and society in the countries from West Pakistan to Manchuria, inclusive. Treatment will be on a country and topic basis, with more detailed study of selected regions; some work on large-scale maps will be included.

Recommended reading W. G. East and O. H. K. Spate (Eds.), *The Changing Map of Asia*; A. D. C. Peterson, *The Far East*; J. Sion, *Asie des Moussons (Géographie Universelle, Tome IX, Pts. 1 and 2)*; L. D. Stamp, *Asia*; O. H. K. Spate, *India and Pakistan*; E. H. G. Dobby, *South East Asia*; J. E. Spencer, *Asia East by South*; G. B. Cressey, *Land of the 500 Million, A Geography of China*; O. Lattimore, *Inner Asian Frontiers of China*; G. T. Trewartha, *Japan*; E. A. Ackerman, *Japan's Natural Resources*; A. Pim, *Colonial Agricultural Production*; B. H. Farmer, *Pioneer Peasant Colonization in Ceylon*; R. R. Rawson, *The Monsoon Lands of Asia*; B. W. Hodder, *Man in Malaya*; C. A. Fisher, *South-east Asia*; H. C. Hart, *New India's Rivers*; N. Ahmad,

Geography

The Economic Geography of East Pakistan. Other literature will be suggested during the course.

197 North America I: Geographical Patterns of Resources and Economic Development

Dr Estall. Twenty Lectures, Michaelmas and Lent Terms.

For B.Sc. B 13 (second or third year); B.Sc. (Econ.) Part II: *North America*, XV 4g (second year).

Syllabus A systematic review of the changing physical and human resources of the continent; an analysis of developments in leading sectors of the economy.

Recommended reading General texts: J. Wreford Watson, *North America: Its Countries and Regions*; W. R. Mead and E. H. Brown, *The United States and Canada*; J. H. Paterson, *North America*; C. L. White and E. J. Foscue, *Regional Geography of Anglo-America*; Oxford Regional Economic Atlas, *The United States and Canada*. Special topics: C. Taeuber and I. Taeuber, *The Changing Population of the U.S.A.*; M. Clawson, R. B. Held and C. H. Stoddard, *Land for the Future*; H. H. Landsberg, *Natural Resources for U.S. Growth*; E. Higbee, *American Agriculture*; L. Haystead and G. C. Fite, *Agricultural Regions of the United States*; C. M. Green, *The Rise of Urban America*; S. B. Cohen (Ed.), *Problems and Trends in American Geography*.

197(a) North America I (Classes)

For B.Sc. B 13 (second or third year).

198 North America II: Regional Studies of Economic Growth and Change

Dr Estall and Dr K. R. Sealy. Twenty lectures, Michaelmas and Lent Terms.

For B.Sc. B 14; B.Sc. (Econ.) Part II: *North America*, XV 4g (third year).

Syllabus A detailed analysis of the economic and social geography of selected regions and contrasting regional problems.

Recommended reading General texts: as for Course 197. Special studies: H. S. Perloff, E. S. Dunn, E. E. Lampard and R. F. Muth, *Regions, Resources and Economic Growth*; R. C. Estall, *New England, A Study in Industrial Adjustment*; J. R. Ford (Ed.), *The Southern Appalachian Region: A Survey*; J. F. Hart, *The Southern United States*; L. M. Alexander, *The North Eastern United States*; J. Gottman, *Megalopolis*; J. H. Garland (Ed.), *The North American Midwest*; D. W. Lantis, R. Steiner and A. E. Karinen, *California: Land of Contrast*.

198(a) North America II (Classes)

For B.Sc. (third year).

199 Advanced Geomorphology I

Dr Embleton, Dr Brunnsden and Mr D. K. C. Jones. Twenty-five lectures, Sessional.

For B.Sc. A 1 (second or third year): $\frac{1}{2}$ course unit; B.Sc. (Econ.) Part II, XV 7 and 8g (second year).

Syllabus A study of the processes of landform sculpture under differing climatic and structural environments. This course will involve some field work.

200 Advanced Geomorphology II

Dr Embleton and Mr D. K. C. Jones. Twenty-five lectures, Sessional.

For B.Sc. A 2 (second or third year): $\frac{1}{2}$ course unit.

Syllabus Chronological studies in geomorphology. Methods of dating and their limitations. Problems of landscape evolution illustrated by selected regional examples, with special reference to areas of the British Isles.

201 Advanced Geomorphology III

Dr Brunnsden. Twenty-five lectures, Sessional. This course will not be given in the session 1970-71.

For B.Sc. A 2a (second or third year): $\frac{1}{2}$ course unit.

Geography

Syllabus The concepts and methods of geomorphology and the history of geomorphological thought. The problems of design and analysis of geomorphic experiments. The nature and utilisation of field and laboratory techniques.

202 Geomorphology

Twenty lectures, Michaelmas and Lent Terms. An intercollegiate course. At University College.

Optional for B.Sc. A 1, 2 and 2a (second or third year).

Syllabus The precise content of the course varies from year to year, but it is in the general field of current research by staff on selected themes within geomorphology.

203 Meteorology and Climatology

Twenty-five lectures, Sessional. An intercollegiate course. At University College.

For B.Sc. A 3 (second year); with 203(a): 1 course unit.

Recommended reading H. C. Willett and F. Sanders, *Descriptive Meteorology*; G. T. Trewartha, *The Earth's Problem Climates*; S. L. Hess, *Introduction to Theoretical Meteorology*; W. D. Sellers, *Physical Climatology*.

203(a) Meteorology and Climatology (Classes)

In conjunction with Course No. 203.

Note Teaching for other branches of Meteorology and Climatology will be provided at other colleges of the University and is open to all students. Not all courses will be available in any one session.

204 Theoretical Aspects of Economic Geography

Mrs Rees. Six lectures, Michaelmas Term.

For B.Sc. (Econ.) Part II: *Economic Geography*, I 3g; III 3c; XIV 3f; XV 2; B.Sc. A 6, 7 and 8 (second and third years).

205 Economic Geography: I

Mrs Rees and Dr J. E. Martin. Twelve lectures, Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II: *Economic Geography*, I 3g; III 3c; XIV 3f (students should take two out of the three courses in Economic Geography); XV 2 (second year), B.Sc. A 6 with 204 and 205(a): $\frac{1}{2}$ course unit (second or third year).

Syllabus The nature of resources. Economic and actual methods of allocating and exploiting scarce resources. Allocation of land, land-use. The geography and economics of water resources. The geography of energy and of mineral production. Allocation or conservation?

Recommended reading M. Chisholm, *Geography and Economics*; H. Boesch, *A Geography of World Economy*; P. R. Odell, *An Economic Geography of Oil*; E. S. Simpson, *Coal and the Power Industries in Postwar Britain*; G. Manners, *The Geography of Energy*; H. H. McCarty and J. B. Lindberg, *A Preface to Economic Geography*; I. Barton and R. W. Kates, *Readings in Resource Management*; J. Rees, *Industrial Demands for Water*; J. Hirshleifer *et al.*, *Water Supply: Economics, Technology and Policy*; Institution of Civil Engineers, *Conservation of Water Resources in the United Kingdom*; A. V. Kneese and S. C. Smith, *Water Research: Western Resources Conference 1965*; H. L. Amoss and R. K. McNickle (Eds.), *Land and Water*.

205(a) Economic Geography: I (Class)

Mrs Rees and Dr J. E. Martin. Twelve classes, Michaelmas and Lent Terms.

For B.Sc. A 6 (second or third year).

205(b) Economic Geography (Class)

Dr J. E. Martin.

For B.Sc. (Econ.) Part II: *Economic Geography*, I 3g; III 3c; XIV 3f (second year).

Geography

206 Economic Geography: II

Mr Sinclair and Dr W. B. Morgan. Twelve lectures, Lent and Summer Terms.

For B.Sc. (Econ.) Part II: *Economic Geography*, I 3g; III 3c; XIV 3f (students should take two out of the three courses in Economic Geography); XV 2 (second year); B.Sc. A 7, with 204 and 206(a): $\frac{1}{2}$ course unit (second or third year).

Syllabus Concepts and methods in the geography of agriculture. The evolution, location and structure of systems of commercial agriculture.

Recommended reading L. Symons, *Agricultural Geography*; A. N. Duckham, *The Fabric of Farming*; M. Chisholm, *Rural Settlement and Land Use*; J. W. Alexander, *Economic Geography*; R. Dumont, *Types of Rural Economy*; A. Martin, *Economics and Agriculture*; S. H. Franklin, *The European Peasantry*; K. Dexter and D. Barber, *Farming for Profits*.

206(a) Economic Geography: II (Class)

Ten classes, Lent and Summer Terms.

For B.Sc. A 7 (second or third year).

207 Economic Geography: III

Dr J. E. Martin, Dr Estall and Dr K. R. Sealy. Twenty lectures, Sessional.

For B.Sc. (Econ.) Part II: *Economic Geography*, I 3g; III 3c; XIV 3f (students should take two out of the three courses in Economic Geography); XV 2; B.Sc. A 8 with 204 and 207(a): $\frac{1}{2}$ course unit (third year).

Syllabus The location of economic activity. The economic geography of industry. Industrial complexes. The elements of the geography of transport.

Recommended reading E. M. Hoover, *The Location of Economic Activity*; R. C. Estall and R. O. Buchanan, *Industrial Activity and Economic Geography*; P. Haggett, *Locational Analysis in Human Geography*; D. W. Fryer,

World Economic Development; J. W. Alexander, *Economic Geography*; U.S. Department of Commerce, National Resources Planning Board, *Industrial Location and National Resources*; G. Alexandersson, *Geography of Manufacturing*; C. D. Foster, *The Transport Problem; The Transport Needs of Great Britain in the Next Twenty Years* (Hall Report) (H.M.S.O., 1963); British Railways Board, *The Reshaping of British Railways* (Beeching Report); British Railways Board, *The Development of the Major Railway Trunk Routes*, 1965; U.K. Ministry of Transport, *Traffic in Towns* (Buchanan Report); K. R. Sealy, *The Geography of Air Transport*; F. E. I. Hamilton, *Yugoslavia*; R. J. Chorley and P. Haggett (Eds.), *Models in Geography* (chaps. 7-12).

207(a) Economic Geography: III (Class)

Dr J. E. Martin and others. Ten classes, Michaelmas and Lent Terms. For B.Sc. A 8 (third year).

208 Economic Geography: IV

Professor Wise and others. Sessional. An intercollegiate course. At University College.

For B.Sc. (Econ.) Part II: *Economic Geography*, XV 2 (third year); B.Sc. in connection with Economic Geography I, II and III (second or third year).

209 Regional Analysis

Mr Spence and Mr Goddard. Twenty-five lectures, Sessional.

For B.Sc. (Econ.) Part II: *Regional Analysis*, XV 7 and 8a (third year); B.Sc. A 26 (second or third year): $\frac{1}{2}$ course unit.

Syllabus Theoretical and technical aspects of the analysis of regional systems, including intraregional location theories, the activity structure of regions, inter-regional relationships, and the application of these to regional planning.

Recommended reading W. Isard *et al.*, *Methods of Regional Analysis: An Introduction to Regional Science*; W. Isard,

Geography

Location and Space Economy: A General Theory Relating to Industrial Location, Market Areas, Land Use, Trade and Urban Structure; P. Haggett, *Locational Analysis in Human Geography*; W. Bunge, *Theoretical Geography*; B. J. L. Berry and D. F. Marble, *Spatial Analysis*; M. H. Yeates, *An Introduction to Quantitative Analysis in Economic Geography*; R. J. Chorley and P. Haggett (Eds.), *Models in Geography*; J. Friedmann and W. Alonso (Eds.), *Regional Development and Planning: A Reader*; R. H. T. Smith, E. J. Taaffe and L. J. King (Eds.), *Readings in Economic Geography: the Location of Economic Activity*; L. J. King, *Statistical Analysis in Geography*.

209(a) Regional Analysis (Classes)
Classes will be arranged if required.

210 Social Geography

Professor Jones. Sessional. This course will not be given in the session 1970-71.

For B.Sc. (Econ.) Part II: *Social Geography*, XV 7 and 8c (third year); B.Sc. A 9 (second or third year): $\frac{1}{2}$ course unit.

Syllabus A study of the relationships of social groups with their environments and the regional differentiation of such relationships.

Recommended reading W. Zellinsky, *Prologue to Population Geography*; J. Beaujeu-Garnier, *Geography of Population*; J. Saville, *Rural Depopulation*; E. R. Wolf, *Peasants*; J. M. Houston, *A Social Geography of Europe*; G. A. Theodorson (Ed.), *Studies in Human Ecology*; A. Hawley, *Human Ecology*; P. W. Burgess and D. J. Bogue, *Contributions to Urban Sociology*; A. J. Reiss and P. K. Hatt, *Cities and Society*.

211 Urban Geography

Mr B. S. Morgan. Sessional. An intercollegiate course.

For B.Sc. (Econ.) Part II: *Urban Geography*, 7 and 8d (third year); B.Sc. A 10 (second or third year): $\frac{1}{2}$ course unit.

Syllabus The history, morphology, economic base and social geography of

cities, together with their regional relations.

Recommended reading A. E. Smailes, *The Geography of Towns*; E. Jones, *Towns and Cities*; R. E. Dickinson, *City and Region*; L. Mumford, *The City in History*; R. Murphy, *The American City*; G. Sjoberg, *The Pre-Industrial City*; A. B. Gallion and S. Ersner, *The Urban Pattern*; P. Self, *Cities in Flood*; L. Reissmair, *The Urban Process*; A. J. Reiss and P. K. Hatt, *Cities and Society*; Centre for Urban Studies, *London, Aspects of Change*; P. Self, *Cities in Flood*; L. Reissmair, *The Urban Process*; A. J. Reiss and P. K. Hatt, *Cities and Society*; Centre for Urban Studies, *London, Aspects of Change*; E. Jones, *A Social Geography of Belfast*; G. A. Theodorson (Ed.), *Studies in Human Ecology*; B. Berry, *Geography of Market Courses and Distribution*.

212 The Urban System

Mr Drewett and Mr K. G. Williams. Twenty-five lectures, Sessional. This course will involve practical classes.

For B.Sc. A 11 (third year): $\frac{1}{2}$ course unit.

Syllabus Inter and intra-urban patterns and functional processes will be examined in the context of systems analysis and model building. The basic components of the urban system and their interdependence will be outlined, reviewing the associated theoretical and empirical models in relation to behavioural aspects and decision-making processes.

Recommended reading F. Chapin and S. Weiss (Eds.), *Urban Growth Dynamics in a Regional Cluster of Cities*; R. J. Chorley and P. Haggett (Eds.), *Socio-economic Models in Geography*; P. Haggett, *Locational Analysis in Human Geography*; D. Harvey, *Explanation in Geography*; J. B. McLoughlin, *Urban and Regional Planning: A Systems Approach*; H. S. Perloff and L. Wingo (Eds.), *Issues in Urban Economics*; W. R. Thompson, *A Preface to Urban Economics*.

213 Geography of Rural Settlement

Twenty-five lectures, Sessional. An intercollegiate course. At Queen Mary College.

For B.Sc. A 12 (second or third year)

Geography

214(i) Historical Geography: British Isles

Dr Lambert. Sessional.

For B.Sc. (Econ.) Part II: *Historical Geography*, VI 8i; VII 7 and 8k; XIV 3e; XV 7 and 8b (third year); B.Sc. A13, with 214 (i) (a): $\frac{1}{2}$ course unit (second or third year).

Syllabus A study of the historical geography of the British Isles, with special reference to England.

Recommended reading W. G. East, *The Geography behind History*; J. B. Mitchell, *Historical Geography*; H. C. Darby (Ed.), *An Historical Geography of England before 1800*; W. G. Hoskins, *The Making of the English Landscape*.

214(i) (a) Historical Geography (Class)

Dr Lambert. Twenty classes, Michaelmas and Lent Terms.

214(ii) Historical Geography: Western and Central Europe

Dr Lambert. Sessional.

For B.Sc. (Econ.) Part II: *Historical Geography*, XV 7 and 8b (third year); B.Sc. A 14 (second or third year): $\frac{1}{2}$ course unit.

Syllabus A study of the interrelations of man and his environment since prehistoric times with special reference to the part played by man's activities in adapting the landscape to his needs; the geographical significance of political and administrative divisions.

Recommended reading W. G. East, *An Historical Geography of Europe*; *The Geography behind History*; C. A. Smith, *Historical Geography of Western Europe*; E. A. Freeman, *The Historical Geography of Europe*; *Cambridge Economic History of Europe*, Vol. I, especially chaps. 1, 2, 3, 6 and 8; *Cambridge Medieval History of Europe*, Vol. I, chap. 13; Vol. V, chap 5; Vol. VI, chaps. 14 and 15; Vol. VII, chaps. 8, 9 and 24; W. L. Thomas (Ed.), *Man's Role in Changing the Face of the Earth*; J. H. Clapham, *The Economic Development of France and Germany*; B. H. Slicher van Bath, *The Agrarian History of Western Europe, A.D. 500-1850*.

215 Biogeography: I

Dr Yates, Dr Rose and Mrs Whatley. An intercollegiate course At King's College.

For B.Sc. A 15 (second year): $\frac{1}{2}$ course unit.

216 Biogeography: II

Dr Yates, Dr Rose and Mrs Whatley. An intercollegiate course. At King's College.

For B.Sc. A 16 (third year): $\frac{1}{2}$ course unit.

Note Attendance at a field class in Plant Geography is a compulsory part of the course.

217 Geography and Planning

Mr Diamond. Sessional. An intercollegiate course.

For B.Sc. (Econ.) Part II: *Economic and Regional Geography of the British Isles*, XV 3 (third year); B.Sc. A 17 (third year): $\frac{1}{2}$ course unit; M.Sc.: *Geographical Aspects of Regional and Urban Planning*, XIV 3.

Syllabus A study of the way in which, and the extent to which, town and country planning has affected the geography of Britain.

Recommended reading J. B. Cullingworth, *Town and Country Planning in England and Wales*; C. D. Buchanan, *Traffic in Towns*; P. J. O. Self, *Cities in Flood*; D. Senior (Ed.), *The Regional City*; J. H. Tetlow and A. Goss, *Homes, Towns and Traffic*; University of Liverpool Department of Civic Design, *Land Use in an Urban Environment*. References to official planning studies and to the periodical literature will be given during the course.

218 History of Geographical Science and Discovery: I

An intercollegiate course. At Birkbeck College.

For B.Sc. A 18 (second or third year): $\frac{1}{2}$ course unit.

Geography

Syllabus The development of geographical concepts and methods since A.D. 1300 with special emphasis on the interrelation between ideas and discoveries.

219 Political Geography: I

Mrs Toledano. Sessional.

For B.Sc. (Econ.) Part II: *Political Geography*, XV 7 and 8e (second year); B.Sc. A 20 (second or third year): $\frac{1}{2}$ course unit.

Syllabus A general study of the interaction between geographical factors and the state, including such aspects as territorial organization and expansion, demographic considerations and strategic factors.

Recommended reading N. J. G. Pounds, *Political Geography*; J. R. V. Prescott, *The Geography of State Policies*; H. J. De Blij, *Systematic Political Geography*; C. A. Fisher (Ed.), *Essays in Political Geography*; W. A. D. Jackson, *Politics and Geographic Relationships*.

Periodical and other literature will be suggested during the course.

220 Political Geography: II The Political Geography of a Selected Area

Professor Harrison Church.
Sessional.

For B.Sc. A 21 (third year): $\frac{1}{2}$ course unit. Open to other students by agreement.

221 Regional Development with special reference to Canada

Mr K. G. Williams. Twenty lectures, Michaelmas and Lent Terms.

For B.Sc. A 27 (second or third year) with 221 (a): $\frac{1}{2}$ course unit.

Syllabus Problems in assessing the effectiveness of regional development programmes in Canada and the spatial implication of public finance will be examined. The prospects for a more co-ordinated approach, having specific regional objectives, will be reviewed. The role of the government in the regional

economic development of the U.S.A., the U.K. and other European countries will be discussed in seminars.

Recommended reading T. N. Brewis, *Regional Economic Policies in Canada*; H. Buckley and E. Tihanyi, *Canadian Policies for Rural Adjustment*; R. J. Chorley and P. Haggett (Eds.), *Socio-Economic Models in Geography*; J. Friedmann and W. Alonso (Eds.), *Regional Development and Planning*; G. McCrone, *Regional Policy in Britain*; I. Sharkansky, *Spending in the American States*.

221(a) Regional Development with special reference to Canada (Classes)

Michaelmas and Lent Terms.

For B.Sc. (second or third year).

222 Mathematical Geography and Surveying: II

Fifty lectures. An intercollegiate course.

For students registered at King's College.

223 Transport Geography (Class)

Dr K. R. Sealy. Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II: *Economics and Geography of Transport*, XV 7 and 8h (third year).

224 Geography Seminar

Dr Estall, Dr K. R. Sealy and Mrs Rees. Fortnightly, Sessional.

For B.Sc. and B.Sc. (Econ.) Part II: special subject Geography (second year).

225 Philosophy, Methodology and Explanation in Geography

Mr Drewett and Mr Spence.

Lectures and classes, Michaelmas and Lent Terms.

For B.Sc. A29 (third year): $\frac{1}{2}$ course unit; graduate students by permission.

Geography

FOR GRADUATE STUDENTS

Note Courses 228–239 and 241 are intended primarily for students reading Geography for M.Sc. All M.Sc. students should consult their advisers in selecting courses which meet the specific requirements of their degree syllabus.

228 Modern Geographical Thought and Practice

Dr Board. Michaelmas and Lent Terms.

Also for M.Sc.: *Geographical Aspects of Regional and Urban Planning*, XIV 3. A course of lectures and discussions in methodology.

228(a) Modern Geographical Thought and Practice (Classes)

Michaelmas and Lent Terms.

229 Quantitative Methods in Geography

Mr Goddard and Mr Spence.
Sessional.

Also for M.Phil. and Ph.D. students by permission.

Syllabus The use of computers in handling spatial data; areal sampling and experimental design; spatial descriptive statistics; analysis of point patterns and probability theory; network analysis and graph theory; measures of spatial association and the problems of spatial autocorrelations—trend surface, fourier series and spectral analysis; methods of regionalisation; urban model building and methods of model calibration. Participants will be expected to have a basic knowledge of elementary statistical methods and also to acquire a grasp of elementary Fortran IV programming at the beginning of the session as a basis for project work.

Recommended reading B. J. L. Berry and D. F. Marble, *Spatial Analysis*; L. J. King, *Statistical Analysis in Geography*; D. McCracken, *A Guide for Fortran Programming*.

230 Geography of Industry

Dr J. E. Martin.

Syllabus Location theory, transportation in the geography of industry, methods of research, measurement of localisation and association. Industrial cities and regions.

231 Transport Studies

Dr K. R. Sealy.

Students are advised to take Course No. 54, Economics and History of Transport, if they have not already done so.

Syllabus Characteristics and analysis of transport networks, aspects of market research, transport planning with particular reference to road and air transport. Where possible, practical work will be set in association with this course.

Recommended reading General references: C. D. Foster, *The Transport Problem*; K. M. Gwilliam, *Transport and Public Policy*; J. H. Tetlow and A. Goss, *Homes, Towns and Traffic*; D. J. Reynolds, *Economics, Town Planning and Traffic*; J. R. Meyer, J. F. Kain and M. Wohl, *The Urban Transportation Problem*; D. St. J. Thomas, *The Rural Transport Problem*; G. J. Ponsonby, *Transport Policy: Co-ordination through Competition*; K. R. Sealy, *The Geography of Air Transport* (2nd edn.); B. T. Bayliss, *European Transport*; M. Peters, *International Tourism*; K. Kansky, *Structure of Transportation Networks*; Department of Geography, University of Chicago, *Research Paper 54*, 1963; P. Haggett and R. J. Chorley, *Network Analysis in Geography*.

232 Resource Management and Utilisation

Mrs Rees. Sessional.

Syllabus Economic methods of resource allocation, pricing systems, investment appraisal, cost-benefit analysis. Real world methods used to allocate land, water, fuels and minerals between competing uses. The distribution of resources that results. Conservation *versus* management.

233 Urban Geography

Dr Board, Mr Diamond and others. Sessional.

234 The Geography of Agriculture (Seminar)

Mr Sinclair.

Syllabus Environmental studies of subsistence and commercial agriculture. The role and status of agriculture in economic development, and the analysis of changes in the structure of agricultural activity.

235 Social Geography of South Africa

Dr Board. Fortnightly, Sessional.

Also for M.A. (Area Studies) Africa.

Syllabus Cultural, ethnic and political factors in the changing distribution of population in South Africa and neighbouring countries.

236 Geography of West Africa

Professor Harrison Church and Dr W. B. Morgan. Sessional.

Syllabus The physical and especially the economic geography of West Africa, with particular reference to agriculture and the problems of individual countries.

237 The Spatial Structure of the South African Economy

Dr Board. Michaelmas and Lent Terms.

Syllabus Stages of economic development and their spatial manifestation, socio-economic regionalisation, nodal regions and their integration in development regions.

238 Regional Problems in the United States

Dr Estall.

Syllabus An analysis of the processes of industrial change and of the regional problems arising therefrom. The role of government as an agent of geographic change.

239 Concepts and Methods of Geomorphology

Dr Brunsdon. Twenty-four lectures and classes.

M.Sc. REGIONAL AND URBAN PLANNING STUDIES

240 Regional and Urban Planning Problems (Seminar)

Professor Day, Professor Self and Mr Diamond. An interdepartmental seminar, Summer Term.

241 Geographical Concepts of Regional and Urban Planning (Seminar)

Mr Diamond. Sessional.

For M.Sc.: Geography; *Geographical Aspects of Regional and Urban Planning*, XIV 3.

A seminar on the application of locational and spatial concepts to problems of planning.

Recommended reading W. Isard *et al.*, *Methods of Regional Analysis: An Introduction to Regional Science*; F. Stuart Chapin, Jr., *Urban Land Use Planning* (2nd edn.); O. D. Duncan *et al.*, *Metropolis and Region*; P. M. Hauser and L. F. Schnore, *The Study of Urbanization*; J. Friedmann and W. Alonso, *Regional Development and Planning: A Reader*; P. Haggett, *Locational Analysis in Human Geography*; J. P. Gibbs, *Urban Research Methods* (1961); K. Norborg (Ed.) *The I.G.U. Symposium in Urban Geography*; G. Olsson, *Distance and Human Interaction*; J. Gottman, *Megalopolis*; R. J. Chorley and P. Haggett, *Socio-Economic Models in Geography*.

Other references will be given during the course.

242 Quantitative Methods in Regional and Urban Planning Studies

Mr Colbourne. Michaelmas and Lent Terms.

Members of the Staff of King's College, London, sharing in the work of the Joint School of Geography

D. Brunsdon, B.Sc., Ph.D.; Lecturer in Geography.

Alice M. Coleman, M.A.; Reader in Geography.

C. Embleton, M.A., Ph.D. (Cantab.); Senior Lecturer in Geography.

Maureen Jones, B.Sc. (Wales), M.Sc., Ph.D.; Lecturer in Geography.

G. R. P. Lawrence, M.Sc.; Lecturer in Geography.

B. S. Morgan, B.Sc. (Exeter); Lecturer in Geography.

W. B. Morgan, M.A. (Oxon.), Ph.D. (Glasgow); Reader in Geography.

J. C. Pugh, M.A. (Cantab.), Ph.D., A.R.I.C.S.; Professor of Geography.

F. Rose, B.Sc., Ph.D.; Senior Lecturer in Biogeography.

K. E. Rosing, B.A. (Minnesota); Lecturer in Geography.

Jean Whatley, B.Sc. (Glasgow), M.Sc. (Calif.); Lecturer in Geography.

K. G. Williams, B.A. (Cantab.), M.A. (Toronto); Lecturer in Geography.

E. M. Yates, M.Sc., Ph.D.; Reader in Geography.

History

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Economic History

260 The Economic History of Great Britain and the U.S.A., 1850-1939

Mr Baines and Mr Potter.
Thirty-four lectures, Sessional.

For B.Sc. (Econ.) Part I.

Syllabus The course will cover the major aspects of the British and American economies from the mid-nineteenth century until World War II.

Recommended reading W. Ashworth, *A Short History of the International Economy since 1850*; J. D. Chambers, *The Workshop of the World*; P. d'A. Jones, *The Consumer Society*; W. A. Lewis, *Economic Survey, 1919-1939*; R. S. Sayers, *A History of Economic Change in England, 1880-1939*; C. C. Spence, *The Sinews of American Capitalism*; W. M. Stern, *Britain Yesterday and Today*.

FOR REFERENCE G. C. Allen, *British Industries and their Organisation* (1959 or 1961 edn.); H. C. Allen and C. P. Hill (Eds.), *British Essays in American History*; W. Ashworth, *An Economic History of England, 1870-1939*; A. C. Bolino, *The Development of the American Economy*; A. K. Cairncross, *Home and Foreign Investment*; T. C. Cochran and W. Miller, *The Age of Enterprise*; W. H. B. Court, *A Concise Economic History of Britain from 1750 to Recent Times*; J. H. Dunning and C. J. Thomas, *British Industry: Change and Development in the Twentieth Century*; E. J. Hobsbawm, *Industry and Empire*; M. A. Jones, *American Immigration*; The Royal Institute of International Affairs, *The Problem of International Investment*; H. N. Scheiber (Ed.), *United States Economic History: Selected Readings*; P. B. Trescott, *Financing American Enterprise*; H. F. Williamson (Ed.), *The Growth of the American Economy*.

260(a) Classes

261 Industrialisation and the International Economy since 1830

Professor Fisher, Dr Earle and Mr Falkus. Sessional.

For B.Sc. (Econ.) Part II: *Economic History*, I 2a; II 4b; III 2; IV 2b; V 1b; VIII 2; IX 3; XIII 3; XIV 3a; XV 5 and 6d (i); XVI 3a (second year); B.Sc. (Geog.) C 101.

Syllabus The growth of world population: changes in its occupational and regional distribution; the development of primary production in temperate and tropical zones; the development of mechanised transport by sea and land; the international migration of capital; changes in the volume, direction and content of international trade; the varying experience of industrialisation in Western Europe (including Great Britain), U.S.A., Russia and Japan; the development and organization of capital and labour markets; the breakdown of the international economy in the interwar years; changes in national economic policies; the development of international economic institutions.

Recommended reading W. Ashworth, *A Short History of the International Economy since 1850*; W. A. Lewis, *Economic Survey, 1919-1939*; A. Gerschenkron, *Economic Backwardness in Historical Perspective*; W. W. Rostow, *The Stages of Economic Growth*; R. T. Gill, *Economic Development*; S. S. Kuznets, *Six Lectures on Economic Growth*; A. Maddison, *Economic Growth in the West; Economic Growth in Japan and the U.S.S.R.*; D. Landes, *The Unbound Prometheus*; M. Postan, *An Economic History of Western Europe, 1945-1964*; E. L. Jones and S. J. Woolf (Eds.), *Agrarian Change and Economic Development*; R. M. Robertson, *History of the American Economy*; G. C. Allen, *A Short Economic History of Modern Japan*; P. Lyashchenko, *History of the National Economy of Russia*; United Nations XIII, Demography 1953, 3, *The Determinants and Consequences of Population Trends*; J. V. Levin, *The Export Economies*; The Royal Institute of International Affairs, *The Problem of International Investment*; League of Nations, II, Economic and Financial, 1942, A.3, *The Network of World Trade*; 1945, A.10,

Economic History

Industrialization and Foreign Trade; P. L. Yates, *Forty Years of Foreign Trade*; R. H. Thornton, *British Shipping*; M. Tracy, *Agriculture in Western Europe*; H. J. Habakkuk and M. Postan (Eds.), *The Cambridge Economic History of Europe*, Vol. VI, Pts. I and II; B. E. Supple (Ed.), *The Experience of Economic Growth*.

261(a) Classes

262 Introduction to Modern English Economic History

Mr W. M. Stern. Twenty-five lectures, Sessional.

For B.A. History (first year); Dip. Soc. Admin. (first year).

Syllabus The subject will be divided into three periods: from the discovery of the New World to the middle of the eighteenth century; the Industrial Revolution and its aftermath; the last hundred years. In each period the development of agriculture, industry, trade and transport will be traced against the background of population changes, economic thought and fluctuations, social organization and policy.

Recommended reading J. H. Clapham, *A Concise Economic History of Britain from the Earliest Times to 1750*; G. N. Clark, *The Wealth of England, 1496-1760*; M. D. George, *England in Transition*; T. S. Ashton, *The Industrial Revolution, 1760-1830*; W. H. B. Court, *A Concise Economic History of Britain from 1750 to Recent Times*; G. Dangerfield, *The Strange Death of Liberal England, 1910-1914*; W. Johnson, J. Whyman and J. Wykes, *A Short Economic and Social History of Twentieth Century Britain*. FOR REFERENCE T. S. Ashton, *An Economic History of England: The Eighteenth Century*; W. Ashworth, *An Economic History of England, 1870-1939*; J. H. Clapham, *Economic History of Modern Britain*; N. J. Smelser, *Social Change in the Industrial Revolution*; G. D. H. Cole and R. W. Postgate, *The Common People, 1746-1946*; R. S. Sayers, *A History of Economic Change in England, 1880-1939*; S. Pollard, *The Development of the British Economy,*

1914-1950. Books on particular subjects will be recommended in the course of the lectures.

263 Economic History of England and Western Europe in the Sixteenth and Seventeenth Centuries

Professor Coleman. Twenty-five lectures, Sessional.

For B.Sc. (Econ.) Part II: *English Economic History*, 1485-1760, VI 3; VII 7 and 8c (second year); B.A. History, optional subject Economic History; M.Sc.: *The Sources and Historiography of the Economic History of England in the Seventeenth Century*, VI 1(ii).

Syllabus This course will examine the economy of England in some detail and that of Western Europe in broad outline. Aspects of the English economy to be considered will include: the structure and growth of population, agriculture, industry, trade, finance and the movement of prices, as well as various economic and social problems and the main features of state policy in relation thereto. Economic development in continental Europe will be considered partly for the purpose of comparison with that of England and partly with reference to England's economic relationships overseas.

Recommended reading will be given at the beginning of the course.

264 English Economic History in its European Background from 1700 to the Second World War

Professor John, Mr Hunt and Mr W. M. Stern. Thirty lectures, Sessional.

For B.Sc. (Econ.) Part II (second year): *English Economic History*, 1485-1760, VI 3; VII 7 and 8c; *English Economic History from 1760*, VI 4; VII 7 and 8d; B.A. History, optional subject Economic History; B.Sc. (Geog.) C 102; M.Sc.: *The Sources and Historiography of Economic History in either Britain 1783-1850*, VI 1(iii) or *Britain 1900-1950*, VI 1(iv).

Economic History

(i) 1700-1815

Professor John. Ten lectures.

(ii) 1815 to the 1880s

Mr Hunt. Ten lectures.

(iii) The 1880s and After

Mr W. M. Stern. Ten lectures.

Recommended reading will be given at the beginning of the course.

265 The Social and Political Structure of England in the Late Sixteenth and Early Seventeenth Centuries

Professor Fisher. Ten lectures, Lent Term.

For B.Sc. (Econ.) Part II: special subject Economic History, Modern (second year).

Syllabus and recommended reading will be given at the beginning of the course.

266 The Social and Political Structure of England in the Nineteenth Century

Professor John, Dr Brown, Dr Erickson, Mr Baines and others. Twenty-six lectures, Sessional.

For B.Sc. (Econ.) Part II: special subject Economic History, Modern (second year); M.Sc.: *The Sources and Historiography of Economic History in Britain, 1783-1850*, VI 1(iii). Optional for B.Sc. (Econ.) Part II: *Social Structure of Modern Britain*, IX 6; B.A./B.Sc. (Soc.) Branch I, 7 and 8a (third year). Michaelmas Term only: for B.A. History (second year).

Syllabus The growth of population and its occupational distribution; the major social groups in British society. The political structure; the growth of education and of the social services; the Irish question; nineteenth-century imperialism.

The press; the growth of science; religion in nineteenth-century England; some of the major schools of political and social thought.

Recommended reading R. D. Altick, *The English Common Reader, 1800-1900*;

W. Ashworth, *The Genesis of Modern British Town Planning*; J. A. Banks, *Prosperity and Parenthood*; A. Briggs, *The Age of Improvement; Victorian Cities; Chartist Studies*; H. L. Beales, *The Making of Social Policy*; W. L. Burn, *The Age of Equipoise*; G. Kitson Clark, *The Making of Victorian England*; A. M. Carr-Saunders and P. A. Wilson, *The Professions*; H. Grisewood (Ed.), *Ideas and Beliefs of the Victorians*; B. K. Gray, *Philanthropy and the State*; H. J. Hanham, *Elections and Party Management*; W. E. Houghton, *The Victorian Frame of Mind*; M. Hewitt, *Wives and Mothers in Victorian Industry*; R. Lambert, *Sir John Simon*; A. M. Lowndes, *The Silent Social Revolution*; D. Lockwood, *The Black-coated Worker*; H. M. Pelling, *A History of British Trade Unions*; E. H. Phelps Brown, *The Growth of British Industrial Relations*; J. H. Plumb (Ed.), *Studies in Social History*; B. C. Roberts, *The Trade Union Congress*; D. Roberts, *Victorian Origins of the British Welfare State*; D. Read, *Press and People, 1790-1850*; J. Saville (Ed.), *Democracy and the Labour Movement*; N. Smelser, *Social Change in the Industrial Revolution*; F. M. L. Thompson, *English Landed Society in the Nineteenth Century*; A. F. Weber, *The Growth of Cities in the Nineteenth Century*; G. M. Young, *Victorian England, Portrait of an Age*; H. J. Perkin, *The Origins of Modern English Society, 1780-1880*.

267 Economic History of the United States of America

(i) The Colonial Period, 1607-1790

Professor Fisher and Mr Potter. Ten lectures, Michaelmas Term.

For B.Sc. (Econ.) Part II: *Economic History of the United States of America from 1783*, VI 7; VII 7 and 8g (second year).

Syllabus The development of the American economy from the first settlements to nationhood. The nature of the colonial links with Britain. Population growth and distribution.

Economic aspects of the American Revolution and formation of the first federal government.

(ii) 1790–1873

Dr Erickson. Twelve lectures, Lent and Summer Terms.

For B.Sc. (Econ.) Part II: *Economic History of the United States of America from 1783*; VI 7; VII 7 and 8g (second year).

Syllabus Economic problems and policies in the first decades of the American republic. Consideration of factors influencing American economic development before and during the Civil War: the frontier and access to natural resources; supply of capital and the evolution of financial institutions; supply and recruitment of labour; invention and innovation.

Developments in transport, agriculture and industry; the financing and construction of canals and railroads; the disposal of public lands and the westward movement; the first phase of growth in manufacturing.

Governments and economic life: federal and state finance; banking; promotion and regulation of the economy.

The U.S.A. and the outside world: Atlantic economy; trade and shipping; migration and capital importation; economic fluctuations.

(ii)(a) Classes

Ten classes, fortnightly, Lent and Summer Terms.

(iii) 1873–1929

Dr Erickson. Ten lectures, Michaelmas Term.

For B.Sc. (Econ.) Part II: *Economic History of the United States of America from 1783*; VI 7; VII 7 and 8g (third year); M.Sc.: *The Sources and Historiography of the Economic History of the U.S.A., 1890–1929*, VI 1(v).

Syllabus The aftermath of the Civil War. The completion of railroad building and territorial settlement. Agricultural expansion: foreign and domestic markets. Population: immigration; geographic dispersion and occupational structure; labour and trade unions. Regional variations: economic problems

of the agrarian West and South; growth of industries in new areas; distribution and marketing. The capital market. Urbanisation.

The rise of modern industry in the U.S.A.; changes in industrial structure; mass production and mass marketing. New means of transport and new forms of industrial energy.

Role of governments in economic life. Protest movements; populism and progressivism and the response of government. The first World War and its economic consequences. Economic fluctuations; prosperity and depression.

(iii)(a) Classes

Ten classes, fortnightly, Michaelmas and Lent Terms.

(iv) The U.S.A. since 1930

Mr Potter, Dr Erickson and others. Ten lectures, Lent Term.

For B.Sc. (Econ.) Part II: *Economic History of the United States of America from 1783*, VI 7; VII 7 and 8g (third year) and other third-year and graduate students interested.

Syllabus Economic and other aspects of the New Deal. The American economy since 1945.

Recommended reading (i)–(iv) The most suitable work for this course is R. M. Robertson, *History of the American Economy* (2nd edn., 1964). Valuable introductory reading will be found in H. C. Allen and C. P. Hill (Eds.), *British Essays in American History* (1957); E. A. J. Johnson and H. E. Krooss, *The American Economy* (1961); F. Thistlethwaite, *The Great Experiment* (1955). Other useful textbooks include: A. C. Bolino, *The Development of the American Economy* (1966); S. Bruchey, *The Roots of American Economic Growth, 1607–1861*; L. E. Davis and others, *American Economic History* (1961); E. C. Kirkland, *A History of American Economic Life* (4th edn., 1969); H. F. Williamson (Ed.), *The Growth of the American Economy* (1951). Other works: R. Andreano (Ed.), *The Economic Impact of the American Civil War*; C. A. Beard,

An Economic Interpretation of the Constitution of the United States; I. Bernstein, *The Lean Years*; R. T. Berthoff, *British Immigrants in Industrial America, 1790–1950*; E. L. Bogart and C. M. Thompson, *Readings in the Economic History of the United States*; A. C. Bogue, *From Prairie to Corn Belt*; A. W. Coates and R. M. Robertson, *Essays in American Economic History*; S. Coben and F. G. Hill, *American Economic History: Essays in Interpretation*; Department of American Studies, Amherst College (Eds.), *Problems of American Civilization: Selected Readings*; F. R. Dulles, *Labor in America*; E. J. Ferguson, *The Power of the Purse*; A. Fishlow, *American Railroads and the Transformation of the Ante-Bellum Economy*; R. W. Fogel, *Railroads and American Economic Growth*; E. Frickey, *Economic Fluctuations in the United States, 1865–1914*; *Production in the United States, 1860–1914*; P. W. Gates, *The Farmer's Age, Agriculture, 1815–1860*; C. L. Goodrich, *Government Promotion of American Canals and Railroads*; B. Hammond, *Banks and Politics in America from the Revolution to the Civil War*; M. L. Hansen, *The Immigrant in American History*; R. Hofstadter, *The Age of Reform*; E. C. Kirkland, *Industry Comes of Age, 1860–1897*; H. B. Lary, *The United States in the World Economy*; W. Leuchtenberg, *F.D.R. and the New Deal, 1932–40*; M. Meyers, *The Jacksonian Persuasion: Politics and Belief*; National Bureau of Economic Research, *Trends in the American Economy in the Nineteenth Century and Output, Employment and Productivity in the U.S. after 1800* (Studies in Income and Wealth, Vols. 24 and 30); C. P. Nettels, *The Emergence of a National Economy, 1775–1815*; D. C. North, *The Economic Growth of the United States, 1790–1860*; H. S. Perloff and others, *Regions, Resources and Economic Growth*; U. B. Phillips, *Life and Labor in the Old South*; F. A. Shannon, *The Farmer's Last Frontier*; W. P. Strassman, *Risk and Technological Innovation*; G. R. Taylor, *The Transportation Revolution*; P. Temin, *Iron and Steel in Nineteenth-century America*; The Jacksonian Economy; Brinley Thomas, *Migration and Economic Growth*; W. P. Webb, *The Great Plains.*

268 International Economic History, 1850–1945

Mr W. M. Stern. Sixteen lectures, Michaelmas and Lent Terms. Five classes, Lent Term. This course will not be held unless a sufficient number of students offers the subject.

For B.Sc. (Econ.) Part II: *International Economic History, 1850–1945*, VI 8c; VII 7 and 8f (second or third year); XIV 8b (third year).

Syllabus Growth and distribution of world population. Growth of manufacturing industry. Development of agriculture, international trade and investment and the chief influences upon them, including changes in transport, in financial organization and in the commercial policies of the Great Powers. The growth of international economic organizations, both public and private. The changing influence of economic factors on the political and military strength of the Great Powers.

Recommended reading P. Ashley, *Modern Tariff History*; W. Ashworth, *A Short History of the International Economy since 1850*; J. B. Condliffe, *The Commerce of Nations*; M. R. Davie, *World Immigration*; H. Feis, *Europe, the World's Banker, 1870–1914*; I. Ferenczi and W. F. Willcox, *International Migrations*; M. A. Jones, *American Immigration*; League of Nations, II, *Economical and Financial*, 1942, A.3, *The Network of World Trade*; A.6, *Commercial Policy in the Inter-War Period*; 1945, A.10, *Industrialization and Foreign Trade*; W. A. Lewis, *Economic Survey, 1919–1939*; The Royal Institute of International Affairs, *The Problem of International Investment*; United Nations, 1954, II, E.3, *Growth and Stagnation in the European Economy* (I. Svennilson); H. J. Habakkuk and M. Postan (Eds.), *The Cambridge Economic History of Europe*, VI: *The Industrial Revolutions and After*; F. H. Hinsley (Ed.), *The New Cambridge Modern History*, XI: *Material Progress and World-Wide Problems, 1870–1898*; L. H. Jenks, *The Migration of British Capital to 1875*; D. Thomson (Ed.), *The New Cambridge Modern History*, XII: *The Era of Violence,*

Economic History

1898-1945; M. Tracy, *Agriculture in Western Europe*.

E. Hexner and A. Walters, *International Cartels*; M. Hill, *The Economic and Financial Organization of the League of Nations*; O. J. Lissitzyn, *International Air Transport and National Policy*; L. L. Lorwin, *The International Labor Movement*; E. S. Mason, *Controlling World Trade*; A. Plummer, *International Combines in Modern Industry*; J. Price, *The International Labour Movement*; J. T. Shotwell (Ed.), *The Origins of the International Labor Organization*; A. Sturmthal, *Unity and Diversity in European Labor*.

W. Y. Carman, *A History of Firearms from Earliest Times to 1914*; H. C. Engelbrecht and F. C. Hanighen, *Merchants of Death: a Study of the International Armament Industry*; W. K. Hancock and M. M. Gowing, *British War Economy* (History of the Second World War, United Kingdom Civil Series); D. T. Jack, *Studies in Economic Warfare*; A. J. Marder, *British Naval Policy, 1880-1905*; J. T. W. Newbold, *How Europe Armed for War (1871-1914)*; E. A. Pratt, *The Rise of Rail Power in War and Conquest, 1833-1914*; The Royal Institute of International Affairs, *Survey of International Affairs, 1939-1946, Vol. I, The World in March, 1939, Part II*; B. E. Supple (Ed.), *The Experience of Economic Growth*; Y.-L. Wu, *Economic Warfare*.

269 Economic History of England from 1216 to 1603

Miss O. P. Coleman. Twenty lectures, Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part I: alternative subject 13, *The Economic History of England, 1216-1603*; B.A. History (second year).

Recommended reading will be given during the course.

269(a) Economic History of England from 1216 to 1603 (Classes)

Miss O. P. Coleman and Dr Bridbury.

For B.Sc. (Econ.) Part I: alternative

subject 13. *The Economic History of England, 1216-1603*.

270 Introduction to the Methods of Econometric History

Mr Potter and Mr J. J. Thomas. Fifteen lectures, Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II: special subjects Economic History, Modern and Economic History, Mediaeval (third year) and graduate students in Economic History.

Syllabus and recommended reading will be given during the course.

271 Mediaeval Economic History (Classes)

Miss O. P. Coleman and Dr Bridbury.

For B.Sc. (Econ.) Part II: special subject Economic History, Mediaeval.

272 Economic History, 1575-1642 (Class)

Professor Fisher. For students taking this special period for B.Sc. (Econ.) Part II.

273 Modern Economic History, 1830-1886 (Class)

Professor John and Mr W. M. Stern. For students taking this special period for B.Sc. (Econ.) Part II.

274 English Economic History, 1485-1760 (Class)

For B.Sc. (Econ.): *English Economic History, 1485-1760*, VI 3; VII 7 and 8c (second and third years).

275 English Economic History from 1760 (Class)

For B.Sc. (Econ.): *English Economic History from 1760*, VI 4; VII 7 and 8d (second and third years).

Economic History

FOR GRADUATE STUDENTS

276 British Labour History, 1815-1939

Mr Hunt and Mr Baines. Fifteen lectures, Michaelmas and Lent Terms.

For M.Sc.: *British Labour History, 1815-1939*, VI 4(viii); VIII 2(ii).

Syllabus Population growth and its economic and social implications; changes in the geographical distribution of population and the factors underlying mobility; immigration and emigration; the composition of the British labour force; the growth of trade unions: their organization and policy; the relationship between trade unionism and contemporary political movements; the emergence of a system of industrial relations, the state regulation of the conditions of work; the share of wages in the national income and the growth of real incomes; the problem of poverty and unemployment; working class self-help: co-operative distribution and friendly societies; the Poor Law and unemployment insurance; the role of education in the development of a labour force; the development of international labour organizations.

Recommended reading will be given at the beginning of the course.

277 The Sources and Historiography of the Economic History of England, 1350-1500 (Seminar)

Miss O. P. Coleman and Dr Bridbury. Fortnightly, Sessional.

278 The Sources and Historiography of the Economic History of England in the Seventeenth Century (Seminar)

Professor Fisher and Professor Coleman. Fortnightly, Sessional.

279 The Sources and Historiography of British Economic History, 1783-1850 and 1900-1950 (Seminar)

Professor John and Mr W. M. Stern. Weekly, Sessional.

280 The Sources and Historiography of the Economic History of the U.S.A., 1890-1929 (Seminar)

Mr Potter and Dr Erickson. Sessional.

281 Economic Growth Historically Considered (Seminar)

Professor Fisher, Mr Baines and Mr Falkus. Lent and Summer Terms.

Also for students offering this option for M.Sc.: Demography.

282 Economic History of the Eighteenth and Early Nineteenth Centuries (Seminar)

Professor John. Fortnightly, Michaelmas and Lent Terms. At the Institute of Historical Research.

283 American Population from Colonial Times to the Present (Seminar)

Mr Potter. Sessional.

For M.A. Area Studies and other interested graduate students.

International History

288 Political History, 1763–1939

Dr Anderson, Dr Nish and Mr Robertson. Twenty-five lectures, Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part I.

Syllabus The course will provide a general survey of European history in the period, special attention being given to the growth of the modern nation states and their impact on the non-European world.

Recommended reading A basic textbook can be chosen from one of the following: E. Barker (Ed.), *The European Inheritance*, Vols. II and III (part of Vol. III, by G. Bruun, is available in the Home University Library series); G. Bruun and W. K. Ferguson, *A Survey of European Civilisation*; C. J. H. Hayes and C. W. Cole, *History of Europe*; T. W. Riker, *A Short History of Modern Europe*. More detailed books on specific periods are: G. Rudé, *Revolutionary Europe, 1783–1815*; D. Thomson, *Europe Since Napoleon*; G. A. Craig, *Europe since 1815*; J. McManners, *Lectures on European History, 1789–1914*; M. Bruce, *The Shaping of the Modern World, 1870–1939*, Vol. I, 1870–1914; C. E. Black and E. C. Helmreich, *Twentieth-Century Europe*; R. F. Leslie, *The Age of Transformation, 1789–1871*; H. Hearder, *Europe in the Nineteenth Century, 1830–1880*; J. R. Western, *The End of European Primacy, 1871–1945*; *New Cambridge Modern History*, Vols. VIII–XII. Guidance on further reading can best be obtained from W. N. Medlicott, *Modern European History, 1789–1945, A Select Bibliography* (published by the Historical Association, *Helps for Students of History*, No. 60). The following volumes in the series *The Rise of Modern Europe*, edited by W. L. Langer, are recommended for more advanced reading: L. Gershoy, *From Despotism to Revolution, 1763–1789*; C. Brinton, *A Decade of Revolution, 1789–1799*; G. Bruun, *Europe and the French Imperium, 1799–1814*; F. B. Artz, *Reaction and Revolution, 1814–1832*; R. C. Binkley, *Realism and Nationalism, 1852–1871*; C. J. H. Hayes, *A Generation*

of Materialism, 1871–1900. Of the numerous national and regional histories, the best guides are: A. Cobban, *A History of Modern France*, 2 vols. (Pelican series); E. J. Passant and others, *A Short History of Germany, 1815–1945*; A. Vernadsky, *A History of Russia*; D. Mack Smith, *Italy: a Modern History*; H. M. Vinacke, *A History of the Far East in Modern Times*.

A Historical Atlas, such as Robertson's, Muir's or Seligman's, is useful.

288(a) Classes

Fortnightly, Sessional. In connection with Course No. 288.

289 Europe and the World, 1760–1939

Dr Anderson, Mr Robertson and Dr Nish, Ten lectures, Michaelmas and Lent Terms.

Optional for B.Sc. (Econ.) Part I.

290 Political History

Dr Bourne, Dr Bridge, Mr Grün and Mr McKay. Thirty lectures, Sessional.

For B.Sc. (Econ.) Part II: *Political History*, I 2a; II 4b; III 2; IV 2b; V 1b; VI 8j; VIII 2; IX 3; XIII 3; XV 5 and 6d (ii); XVI 3a (second year).

Syllabus The general political relationships of the powers since the sixteenth century; the effect of the Renaissance, the Reformation and the Expansion of Europe upon political life; the rise of the nation states; the absolute monarchies of the sixteenth and seventeenth centuries; the Enlightenment of the eighteenth century; the American Revolution and the break-up of the old colonial Empires; the French Revolution and its Napoleonic aftermath; the reconstruction of Europe, 1813–1822; the subsequent progress of liberal, revolutionary and nationalist movements; the growth of the great modern states; the new imperialism, with special reference to Africa and the Far East; the United States and Japan in world affairs; the first world war and its aftermath.

International History

Recommended reading Among a large number of alternatives C. J. H. Hayes, *A Political and Cultural History of Europe* (2 vols.), is probably the most satisfactory general survey. Recommended for advanced reading on particular periods is *A General History of Europe*, edited by Denys Hay and published by Longmans. So far the following volumes have appeared: Denys Hay, *Europe in the Fourteenth and Fifteenth Centuries*; H. G. Koenigsberger and G. L. Mosse, *Europe in the Sixteenth Century*; M. S. Anderson, *Europe in the Eighteenth Century, 1713–1783*; H. Hearder, *Europe in the Nineteenth Century, 1830–1880*; J. M. Roberts, *Europe, 1880–1945*. While this series remains incomplete the gaps may be filled by: F. H. H. Green, *Renaissance and Reformation*; David Ogg, *Europe in the Seventeenth Century*; and G. A. Craig, *Europe since 1815*. For the twentieth century D. C. Watt, Frank Spencer and Neville Brown, *A History of the World in the Twentieth Century*, and H. Stuart Hughes, *Contemporary Europe: a History*, are also recommended.

Further reading will be given at the beginning of the lecture course and class teachers will advise on specialisation.

290(a) Classes

Fortnightly, Sessional. In connection with Course No. 290.

291 International History, 1494–1815

Professor Hatton, Dr Anderson and Mr McKay. Thirty lectures, Sessional.

For B.Sc. (Econ.) Part II: *International History*, 1494–1815, XIV 4 (second year); B.A. History (first and second years); M.A. and M.Sc.: *International History*, 1688–1740, 1740–1789, 1789–1815.

Syllabus Political and diplomatic history, mainly of the European Great Powers, with some reference to the evolution of diplomatic practice.

Recommended reading

DIPLOMACY AND DIPLOMATIC ORGANIZATION: G. Butler and S. Maccoby, *The Development of International Law*; D. P. Heatley, *Diplomacy and the Study*

of International Relations; G. Mattingly, *Renaissance Diplomacy*; E. M. Satow, *A Guide to Diplomatic Practice*. DIPLOMATIC HISTORY: GENERAL: G. Zeller, *Les Temps Modernes*, Pts. i and ii (in the series *Histoire des Relations Internationales*, Ed. P. Renouvin); A. Fugier, *La Révolution Française et l'Empire Napoléonien* (in the same series); A. Sorel, *L'Europe et la Révolution Française*, Vol. I, *Les Moeurs et les Traditions*; *New Cambridge Modern History*, relevant chaps. of Vols. I, II, V and VII–IX; W. L. Langer (Ed.), *The Rise of Modern Europe*, relevant portions from the volumes covering this period; or from the relevant volumes in the series *Clio: Introduction aux Etudes Historiques*; V. P. Potemkin (Ed.), *Histoire de la Diplomatie*, Vol. I.

INDIVIDUAL COUNTRIES: P. Rain, *La Diplomatie Française d'Henri IV à Vergennes*; A. W. Ward and G. P. Gooch (Eds.), *The Cambridge History of British Foreign Policy*, Vol. 1; S. F. Bemis, *A Diplomatic History of the United States*; C. de Grunwald, *Trois Siècles de Diplomatie Russe*.

MILITARY AND STRATEGIC BACKGROUND: J. U. Nef, *War and Human Progress*; A. Vagts, *A History of Militarism*; E. M. Earle (Ed.) and others, *Makers of Modern Strategy*.

Further reading on particular aspects or periods will be recommended during the course.

292 International History, 1815–1914

Professor Joll, Mr Bullen and Dr Bridge. Thirty lectures, Sessional.

For B.Sc. (Econ.) Part II: *International History*, 1815–1914, VI 8b (i); VII 7 and 8e (i); XII 3a; XIV 5 (second year); B.A. History: optional subject *Diplomatic History 1814–1945* (second year); B.Sc. (Geog.) C 105; M.A. and M.Sc., *International History*, 1815–1870, 1870–1914.

Syllabus The history of international relations with special reference to the policies of the Great Powers and to the factors affecting them.

Recommended reading H. Hearder, *Europe in the Nineteenth Century*; J. M. Roberts, *Europe 1880–1945*; R. Albrecht-Carrié,

A Diplomatic History of Europe since the Congress of Vienna; R. W. Seton-Watson, *Britain in Europe, 1789–1914*; J. Joll (Ed.), *Britain and Europe from Pitt to Churchill*; M. S. Anderson, *The Eastern Question*; F. H. Hinsley, *Power and the Pursuit of Peace*; A. J. P. Taylor, *The Struggle for Mastery in Europe*; H. Feis, *Europe, the World's Banker*; G. F. Hudson, *The Far East in World Politics*; L. Lafore, *The Long Fuse*. See also W. N. Medlicott, *Modern European History, 1789–1945, A Select Bibliography*; and A. L. C. Bullock and A. J. P. Taylor, *Books on European History, 1815–1914*.

Further reading on particular aspects will be recommended during the course.

293 International History since 1914

Mr Grün and Mr Watt. Forty-six lectures, Sessional.

For B.Sc. (Econ.) Part II: *International History since 1914*, VI 8b (ii); VII 7 and 8e (ii); XII 4; XIV 6 (second year); B.A. History: optional subject *Diplomatic History, 1814–1845* (second year); B.Sc. (Geog.) C 106; M.A. and M.Sc.: *International History, 1914–1946*.

Syllabus The political and diplomatic history of the period, with due attention to both European and non-European developments.

Recommended reading G. M. Gathorne-Hardy, *A Short History of International Affairs, 1920–1939* (4th edn.); F. P. Walters, *A History of the League of Nations*; A. Wolfers, *Britain and France between Two Wars*; W. N. Medlicott, *The Coming of War in 1939* (Historical Association pamphlet, No. G52); G. M. Carter, *The British Commonwealth and International Security*; H. I. Nelson, *Land and Power*; A. L. C. Bullock, *Hitler: A Study in Tyranny*; E. Wiskemann, *The Rome-Berlin Axis; Europe of the Dictators 1919–1945*; M. Beloff, *The Foreign Policy of Soviet Russia, 1929–1941*; J. T. Pratt, *War and Politics in China*; H. Feis, *The Road to Pearl Harbor*; Churchill, *Roosevelt, Stalin; Between War and Peace; The Potsdam Conference*; Llewellyn Woodward, *British Foreign Policy in the Second World War*; C. A. Macartney and A. W. Palmer, *Independent*

Eastern Europe; L. E. Kochan, *The Struggle for Germany, 1914–1945*; G. Hilger and A. Meyer, *The Incompatible Allies*; R. C. North, *Moscow and the Chinese Communists*; F. C. Jones, *Japan's New Order in Asia*; J. L. Snell, *Allied Wartime Diplomacy*; J. W. Spanier, *American Foreign Policy since World War II*; H. Seton-Watson, *Neither War Nor Peace*.

Further reading will be suggested in the course of the lectures.

294 The Mediterranean in International Politics, 1815–1914

Miss Lee. Six lectures, Michaelmas Term. This course will not be given in the session 1970–71.

Syllabus A study of political, strategic and economic developments in the Mediterranean region as a factor in international relations, 1815–1914.

Recommended reading See bibliography for course 292 and particular study of the following: J. E. Swain, *Struggle for the Control of the Mediterranean prior to 1848*; F. R. Flournoy, *British Policy towards Morocco in the Age of Palmerston*; V. J. Puryear, *France and the Levant*; H. L. Hoskins, *British Routes to India*; C. W. Hallberg, *The Suez Canal*; W. L. Langer, "The European Powers and the French Occupation of Tunis" (*American History Review*, XXXI, 1925–26); W. N. Medlicott "The Mediterranean Agreements of 1887" (*Slavonic Review*, V, 1926–27); A. J. Marder, *The Anatomy of British Sea Power*; J. Tramond and A. Reussner, *Éléments d'Histoire Maritime et Coloniale*; R. Pinon, *L'Empire de la Méditerranée*; J. Marlowe, *Anglo-Egyptian Relations, 1800–1953*.

295 The Maritime Policies of the Great Powers, 1918–1939

Mr Watt. Ten lectures, Michaelmas Term.

For B.Sc. (Econ.) Part II: *International History since 1914*, XIV 6 (third year); M.A. and M.Sc.: *International History, 1914–1946*; M.A. (War Studies) and other students interested.

Syllabus A study of the origins, inspiration and consequences, and the diplomatic and strategic interactions of the naval policies of the leading sea-powers, i.e. Great Britain, France, Germany, Italy, Japan, the Soviet Union and the United States in the years 1918–1939; together with the origins, workings and breakdown of the various provisions, proposals, conferences, agreements and treaties on disarmament, arms limitation and control at sea in the same period. Attention will be paid to the machinery of politico-military consultation and to the naval doctrines governing the formulation of those policies, and to the effects of technological developments. The subject will be dealt with in the general context of the development of international political relations in the interwar years and for the light it may throw upon the more general issues of arms limitation and control by international agreement.

Recommended reading R. de Belot and A. Reussner, *La Puissance Navale dans l'Histoire*, Tome 3; F. H. Hinsley, *Command of the Sea*; H. H. and M. T. Sprout, *Toward a New Order of Sea Power*; J. Erickson, *The Soviet High Command*.

296 British-American-Russian Relations, 1815–1914

Dr Anderson, Dr Bourne and Dr Nish.

For B.Sc. (Econ.) Part II: *British-American-Russian Relations, 1815–1914*, XIV 8c (third year) and other students interested.

Syllabus Diplomatic relations of the three powers during the period, with due attention to the geographical, economic and strategic factors which shaped their foreign policies in the areas of contact and tension.

Recommended reading H. C. Allen, *Great Britain and the United States*; T. A. Bailey, *A Diplomatic History of the American People* (7th edn., 1964); B. Perkins, *Castlereagh and Adams: England and the United States, 1812–1823*; W. D. Jones, *Lord Aberdeen and the Americas*; E. D. Adams, *Great Britain and the American Civil War*; F. Merk, *The Oregon Question*; W. A. Williams, *American-Russian Relations, 1781–1947*; D. Perkins, *Hands Off: A History of the*

Monroe Doctrine; K. Bourne, *Britain and the Balance of Power in North America, 1815–1908*; W. C. Costin, *Great Britain and China, 1833–1860*; H.-P. Chang, *Commissioner Lin and the Opium War*; J. K. Fairbank, *Trade and Diplomacy on the China Coast*; M. Banno, *China and the West, 1858–1861*; W. Habberton, *Anglo-Russian Relations Concerning Afghanistan, 1837–1907*; W. G. Beasley, *Great Britain and the Opening of Japan*; A. Malozemoff, *Russian Far Eastern Policy, 1881–1904*; G. A. Lensen, *The Russian Push Towards Japan: Russo-Japanese Relations, 1697–1875*; A. J. Marder, *British Naval Policy, 1880–1905*; F. H. Michael and G. E. Taylor, *The Far East in the Modern World*; W. L. Langer, *The Diplomacy of Imperialism*; A. W. Griswold, *The Far Eastern Policy of the United States*; E. H. Zabriskie, *American-Russian Rivalry in the Far East, 1895–1914*; L. M. Gelber, *The Rise of Anglo-American Friendship, 1898–1906*; A. E. Campbell, *Great Britain and the United States, 1895–1903*; C. S. Campbell, *Anglo-American Understanding, 1899–1903*; G. W. Monger, *The End of Isolation: British Foreign Policy, 1900–1907*; G. T. Alder, *British India's Northern Frontier, 1865–1895*; J. A. S. Grenville, *Lord Salisbury and Foreign Policy*; I. C. Y. Hsü, *The Ili Crisis*; I. H. Nish, *Anglo-Japanese Alliance, 1894–1907*; J. A. White, *Diplomacy of the Russo-Japanese War*; R. A. Esthus, *Theodore Roosevelt and Japan*.

297 The Baltic in International Politics since 1815

Professor Hatton. Ten lectures, Michaelmas Term.

For B.Sc. (Econ.) Part II: *The Baltic in International Politics since 1815*, XIV 8e (third year) and other students interested.

Syllabus The changes of 1814–1815 within the Northern balance; the Scandinavian Union movement 1830–1860; the Crimean War; the Sleswig-Holstein crisis 1860–1864; the nationalist era 1870–1918 and the independence movements in Norway, Finland, the east Baltic states and Iceland; Scandinavia and the League of Nations; Scandinavia and World War II; Scandinavia and the post-war period.

International History

Recommended reading The national histories by J. H. Birch, L. Krabbe, K. Larsen, I. Andersson, S. P. Oakley, and E. Jutikkala; L. D. Steefel, *The Schleswig-Holstein Question*; R. M. Hatton, 'Palmerston and Scandinavian Union' in K. Bourne and D. C. Watt (Eds.), *Studies in International History*; E. F. Heckscher (Ed.), *Sweden, Norway, Denmark and Iceland in the World War*; W. F. Reddaway, *Problems of the Baltic*; S. S. Jones, *The Scandinavian States and the League of Nations*; H. Tingsten, *The Debate on the Foreign Policy of Sweden, 1918-1939*; F. D. Scott, *The United States and Scandinavia*; R. E. Lindgren, *Norway-Sweden, Union, Disunion and Scandinavian Integration*; F. Lindberg, *Scandinavia in Great Power Politics, 1905-1908*; N. Ørvik, *The Decline of Neutrality, 1914-1941*; O. A. Rustow, *The Politics of Compromise*; F. la Ruche, *La neutralité de la Suède*; H. Friis (Ed.), *Scandinavia between East and West*.

297(a) Classes

Classes will be held in connection with Course No. 297 in the Lent Term.

298 International Socialism and the Problem of War, 1870-1914

Professor Joll. Eight lectures, Michaelmas Term.

For B.Sc. (Econ.) Part II: *International Socialism and the Problem of War, 1870-1914*, XIV 8f (third year) and other interested students.

Syllabus A study of the development of socialist thought about war, national defence, nationalism and colonialism, and of the attempts at international socialist action to prevent war, including the discussions in the Second International and in the major socialist parties of Europe.

Recommended reading G. D. H. Cole, *A History of Socialist Thought*, Vol. III; J. Braunthal, *History of the International, 1864-1914*; J. Joll, *The Second International*, M. M. Drachkovitch, *Les socialismes français et allemands et le problème de la guerre*; H. R. Weinstein,

Jean Jaurès: A Study of Patriotism in the French Socialist Movement; J. P. Netti, *Rosa Luxemburg*; V. I. Lenin, *Socialism and War*; V. I. Lenin *Imperialism: the Highest Stage of Capitalism*.

298(a) Classes

Dr Polonsky. Eight classes, Lent Term.

299 Africa in International Politics, 1870-1914

Mr P. Hatton.

Michaelmas Term.

For B.Sc. (Econ.) Part II: *Africa in International Politics, 1870-1914*, XIV 8d (third year); M.Sc.: *International Politics of an Approved Region*, XI 7 and other students interested.

Syllabus An examination of some aspects of the diplomacy of the European powers in relation to Africa south of the Sahara.

Recommended reading C. P. Lucas, *The Partition and Colonisation of Africa*; H. M. Stanley, *The Congo and the Founding of its Free State*; K. O. Diké, *Trade and Politics in the Niger Delta, 1830-1885*; L. S. Woolf, *Empire and Commerce in Africa*; M. F. Perham and J. Simmons (Eds.), *African Discovery, an Anthology of Exploration*; H. R. Rudin, *Germany in the Cameroons, 1884-1914*; R. E. Robinson and others, *Africa and the Victorians*.

Further reading will be recommended during the course.

300 William III and Louis XIV, 1698-1702

Professor Hatton. Twenty classes, Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II: *William III and Louis XIV*, 1698-1702, XIV 7a (third year).

Syllabus A study in detail of the attempt, through co-operation by William III and Louis XIV, to solve the problem of the Spanish succession issue.

The course will be based on selected documents from the following authorities: P. Grimblot (Ed.), *Letters of William III, Louis XIV and of their Ministers 1697-*

International History

1700, I and II; P. Vaucher (Ed.), *Recueil des Instructions données aux Ambassadeurs et Ministres de France*, (XIV 2, Angleterre, Vol. 3, 1689-1791); L. G. Wickham Legg, *British Diplomatic Instructions* (II, France, 1689-1721); F. G. Davenport (Ed.), *European Treaties bearing on the History of the United States and its Dependencies*, (III) 1689-1715; A. Legrelle (Ed.), *La diplomatie française et la succession d'Espagne*, appendices.

301 The Great Powers and Egypt, 1882-1888

Miss Lee. Twenty classes, Michaelmas and Lent Terms. This course will not be given in the session 1970-71.

For B.Sc. (Econ.) Part II: *The Great Powers and Egypt, 1882-1888*, XIV 7b (third year).

Syllabus The international development of the Egyptian question, with special reference to the Suez Canal, based on the following authorities: *British and Foreign State Papers*, 1882-1883 (Vol. lxxiv); 1887-1888 (Vol. lxxix); C. de Freycinet, *La Question d'Égypte* (1905); Lord Cromer, *Modern Egypt* (1908).

302 The Great Powers and the Balkans, 1908-1914

Dr Bridge. Twenty classes, Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II: *The Great Powers and the Balkans, 1908-1914* XIV 7c (third year).

Syllabus The Macedonian Question in 1908 and the collapse of the Austro-Russian entente. The Bosnian crisis and its aftermath. The Great Powers and European Turkey, 1910-1912—Albania and Crete. The Great Powers, the Balkan League and the Balkan Wars. The intensification of the Great Power struggle for influence in Turkey and the Balkan states 1913-14. Sarajevo, the July crisis, and the outbreak of war. The course will be based upon selected documents from the following authorities: G. P. Gooch and H. W. V. Temperley

(Eds.), *British Documents on the Origins of the War*, Vols. V, IX, X; B. von Siebert, *Entente Diplomacy and the World War*.

303 Great Britain and the Paris Peace Conference of 1919

Mr Grün. Twenty classes, Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II: *Great Britain and the Paris Peace Conference of 1919*, XII 8f (i); XIV 7d (third year).

Syllabus A detailed study of British policy in relation to the organization of the peace conference and of the negotiations which led to the signing of the Treaty of Versailles, based on the following authorities: *Papers Relating to the Foreign Relations of the United States, 1919; The Paris Peace Conference*, Vols. III-VI; P. Mantoux, *Paris Peace Conference, 1919; Proceedings of Council of Four* (Geneva, 1964); D. Lloyd George, *The Truth about the Peace Treaties* (1938).

304 The Manchurian Crisis, 1931-1933

Dr Nish. Twenty classes, Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II: *The Manchurian Crisis, 1931-1933*, XII 8f (ii); XIV 7e (third year).

Syllabus A detailed survey, based on the study of available original sources, of the international implications of the Sino-Japanese conflict from the time of the Mukden incident (September, 1931) to the conclusion of the Tangku truce (May, 1933). The policies of the Great Powers as well as the role played by the League of Nations will be examined, and the significance of the crisis will be placed in the context of the development of international relations in the interwar years, based on selected extracts from the following authorities: *Papers Relating to the Foreign Relations of the United States, Japan: 1931-1941*, Vol. 1; *League of Nations: Appeal by the Chinese Government, Report of the Commission of Inquiry; Documents on British Foreign Policy, 1919-1939*, 2nd Series, Vols. VIII and IX.

International History

305 Anglo-German Naval Diplomacy, 1933-1939

Mr Watt. Twenty classes, Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II: *Anglo-German Naval Diplomacy 1933-1939*, XII 8f (iii); XIV 7f (third year).

Syllabus A study in detail of the interaction of strategic and diplomatic factors in Anglo-German relations, 1933-1939, in the naval sphere. The course will be based on selected documents from the following authorities: *Documents on German Foreign Policy*, Series C, Vols. II-VI, Series D, Vols. IV and VI; *Trial of the Major War Criminals*; *Documents on British Foreign Policy*, 2nd Series, 3rd Series, Vols. III-IV; *Foreign Relations of the United States, 1934-1938*; "Führer Conferences on Naval Affairs" in *Brassey's Naval Annual, 1948*; N. H. Baynes (Ed.), *Hitler's Speeches, 1922-1939*, Vol. II; selected extracts from the *German Admiralty Archives* (from originals on microfilm in P.R.O. and the U.S. Department of the Navy).

306 International History, 1494-1815 (Class)

Professor Hatton, Dr Anderson and Mr McKay. Fortnightly, Sessional.

For B.Sc. (Econ.) Part II: special subject International History.

307 International History since 1815 (Class)

Dr Nish, Mr Watt and Mr Grün. Fortnightly, Sessional.

For B.Sc. (Econ.) Part II: special subject International History.

308 International History since 1815 (Class)

Mr Robertson and others. Fortnightly, Sessional.

For B.Sc. (Econ.) Part II students other than International History specialists.

FOR GRADUATE STUDENTS

312 International History in the Eighteenth Century (Seminar)

Professor Hatton. Fortnightly, Sessional. At the Institute of Historical Research. Admission by permission of Professor Hatton.

313 International History, 1815-1939 (Introductory Course)

Dr Anderson. Michaelmas Term. At the Institute of Historical Research.

For beginners in research on the sources and methods of research in modern diplomatic history.

314 International History, 1814-1919 (Seminar)

Professor Joll and Dr Bourne. Fortnightly, Sessional. At the Institute of Historical Research. Admission by permission of Professor Joll or Dr Bourne.

315 International History since 1919 (Seminar)

Professor Joll, Mr Grün, Mr Watt and Mr Robertson. Fortnightly, Sessional. Admission by permission of Professor Joll or Mr Watt.

316 Scandinavian History, 1815 to the Present Day (Seminar)

Professor Hatton. Fortnightly, Sessional. Admission by permission of Professor Hatton.

317 Diplomatic Theory and Practice, 1500-1815

Professor Hatton. Sessional. For M.A. and M.Sc. only.

International History

318 The Military Policy and Organization of the Powers since 1815 (Seminar)

Professor Martin, Mr Bond and Mr Watt. Sessional. At the Institute of Historical Research.

319 Diplomatic Theory and Practice, 1815-1919

Dr Anderson. Sessional. For M.A. and M.Sc. only.

320 Diplomatic Theory and Practice, 1919-1946

Mr Watt. Sessional. For M.A. and M.Sc. only.

Further classes for M.A. and M.Sc. students will be arranged as required.

**General and Special Courses
for B.A. Honours in History**

325 English History before 1530

Mr Gillingham. Forty-five lectures in two sessions.

For B.A. History (first and second years).

Recommended reading will be given during the course.

**326 Mediaeval English History
(Classes)**

Mr Gillingham and Professor Waley. Sessional.

For B.A. History.

327 English History, 1530–1760

Mrs. Carter. Thirty lectures, Michaelmas and Lent Terms.

For B.A. History (first year); B.Sc. (Geog.) C 103.

Recommended reading will be given during the course.

**328 English History from 1530
to 1760 (Classes)**

Mrs Carter. Classes and tutorials, Sessional.

For B.A. History; B.Sc. (Geog.) C 103.

329 Later Modern British History

Dr Brown and Professor Waley. Thirty lectures, Sessional.

For B.A. History; B.Sc. (Geog.) C 104.

Recommended reading will be given during the course.

**330 English History, 1760 to the
Present Day (Classes)**

Dr Brown. Classes and tutorials, Sessional.

For B.A. History; B.Sc. (Geog.) C 104.

331 European History, 1200–1500

Professor Waley. This course will not be given in the session 1970–71; it will be given in the session 1971–72.

For B.A. History (first and second years).

Recommended reading will be given during the course.

**332 Mediaeval European History
(Classes)**

Mr Gillingham and Professor Waley. Sessional.

For B.A. History.

**333 European History since 1800
(Classes)**

This course will not be given in the session 1970–71; it will be given in the session 1971–72.

**334 European History 1500–1800
(Classes)**

Dr Anderson, Professor Hatton and Mr McKay. Sessional.

For B.A. History.

**335 The History of Ancient and
Mediaeval Political Thought**

Dr Morrall. Twenty lectures, Michaelmas and Lent Terms.

For B.A. History (first year).

Recommended reading will be given during the course.

**336 The History of Political
Thought (Class)**

Michaelmas and Lent Terms.

For B.A. History (first year) fortnightly, (third year) weekly.

**337 English Constitutional
History from c. 1530 to 1914
(Class)**

Mrs Carter. Fortnightly, Sessional.

For B.A. History, optional subject English Constitutional History c. 1530–1914 (second and third years).

General and Special Courses for B.A. Honours in History

English Constitutional History from 1530 to the middle of the eighteenth century. The other part of the course will be given by Dr Brown in the session 1971–72.

**338 English Economic History
(Classes)**

Dr Bridbury and others.

Sessional.

For B.A. History, optional subject English Economic History.

**339 Diplomatic History, 1814–1945
(Classes)**

Mr Bullen.

For B.A. History, optional subject Diplomatic History, 1814–1945.

**340 The Economy of England:
1350–1500 (Intercollegiate Classes)**

Miss O.P. Coleman and Dr Bridbury, Michaelmas and Lent Terms, at L.S.E. Mr Hodgett, Summer Term, at King's College.

For B.A. History, special subject The Economy of England, 1350–1500.

**341 Florence during the Renaissance,
1464–1512 (Intercollegiate Classes)**

Sessional: Michaelmas and Lent Terms at L.S.E., Professor Waley. Thereafter at Westfield College.

For B.A. History, special subject Florence during the Renaissance, 1464–1512.

**342 The Near Eastern Question,
1875–1881 (Intercollegiate
Seminar)**

Dr Bourne and Mr Parry. Michaelmas and Lent Terms for 1971 finalists, Summer Term for 1972 finalists.

For B.A. History, special subject The Near Eastern Question, 1875–1881.

Note Intercollegiate lecture courses covering the field of Mediaeval European History from 400–1500 and Modern European History from 1500 to the present day are given at the Senate House on Monday mornings throughout the session.

Reference should also be made to the following courses:

No. 262: **Introduction to Modern English Economic History**

No. 291: **International History, 1494–1815**

No. 292: **International History, 1815–1914**

No. 293: **International History since 1914**

No. 511: **Three Key Mediaeval Political Thinkers**

No. 512: **Political Thought from Hobbes to Burke**

Industrial Relations

Industrial Relations

348 Industrial Relations

Professor Roberts. Twenty lectures, Michaelmas and Lent Terms.

For graduate students; Trades Union Studies course; Dip. Personnel Management; B.A./B.Sc. (Soc.) Branch I, 9 and 10g; Branch III, 7e; B.Sc. (Econ.) Part II: *Industrial Sociology*, IX 8f (third year).

Syllabus Analysis of the structure of the British system of industrial relations. The growth, organization and ideology of the trade unions. Factors determining the pattern of industrial relations at the level of the enterprise. The dynamics of collective bargaining. The role of management and employers' associations. Relations at the national level between trade unions, employers and the Government. Functions of the Ministry of Labour and statutory bodies. Theories of Industrial Relations.

Recommended reading S. and B. Webb, *A History of Trade Unionism*; S. and B. Webb, *Industrial Democracy*; E. H. Phelps Brown, *The Growth of British Industrial Relations*; B. C. Roberts (Ed.), *Industrial Relations: Contemporary Problems and Perspectives*; H. A. Turner, *Trade Union Growth, Structure and Policy*; A. Flanders, *Industrial Relations: What is Wrong with the System?*; *Trade Unions*; J. H. Goldthorpe *et al.*, *The Affluent Worker: Industrial Attitudes and Behaviour*; United Kingdom Ministry of Labour, *Industrial Relations Handbook*; G. D. H. Cole, *A Short History of the British Working-Class Movement*; B. C. Roberts, *Trade Union Government and Administration in Great Britain*; J. Lovell and B. C. Roberts, *A Short History of the T.U.C.*; Eric Wigham, *What's Wrong with the Unions?*; J. Dunlop, *Industrial Relations Systems*; W. Milne-Bailey, *Trade Unions and the State*; Report of the Royal Commission on Trade Unions and Employers' Associations 1965-1968; Research Papers published by the Royal Commission, Nos. 1-11; *In Place of Strife—A Policy for Industrial Relations* (Cmnd. 3888, 1969); E. Schneider, *Industrial Sociology*; W. E. Moore,

Industrial Relations and the Social Order; W. McCarthy, *The Closed Shop in Britain*; V. L. Allen, *Trade Unions and the Government*; R. E. Walton and R. B. McKersie, *A Behavioral Theory of Labor Negotiations*; A. Flanders, "The Internal Social Responsibilities of Industry" (*British Journal of Industrial Relations*, Vol. IV, No. 1, March 1966); R. A. Lester, *As Unions Mature*; W. H. Scott *et al.*, *Technical Change and Industrial Relations*; T. T. Patterson, *Glasgow Ltd.*; A. Sturmhilf, *Contemporary Collective Bargaining*; M. Fogarty, *The Just Wage*; F. J. Bayliss, *British Wages Councils*; A. Flanders (Ed.), *Collective Bargaining*.

348(a) Industrial Relations (Class) Sessional.

For the Trades Union Studies course.

348(b) Industrial Relations (Class)

Professor Roberts. Sessional.

For M.Sc. students.

349 Trades Unions in Britain: a Political History

Professor Roberts. Ten lectures, Michaelmas Term.

For the Trades Union Studies course; Dip. Personnel Management; graduate students.

Syllabus The course will cover selected aspects of trades union developments from the foundation of the T.U.C. to the present day.

Recommended reading B. C. Roberts, *The Trades Union Congress, 1868-1951*; J. Lovell and B. C. Roberts, *A Short History of the T.U.C.*; W. J. Davis, *History and Recollections of the T.U.C.* (2 Vols.); S. and B. Webb, *A History of Trade Unionism*; H. A. Clegg, A. Fox and A. F. Thompson, *A History of British Trade Unions since 1889* (Vol. I, 1889-1910); R. Postgate, *The Builders' History*; G. D. H. Cole, *Short History of the Working Class: History of the Labour Party*; H. M. Pelling, *The Origins of the Labour Party, 1880-1900*; W. H. Crook, *The General Strike*; R. C. K. Ensor, *England, 1870-1914*; E. Halévy, *A History of the English People—Epilogue*, Vol. I,

Industrial Relations

1895-1905, Vol. II, 1905-1915; J. B. Jefferys, *The Story of the Engineers; Annual Reports of the Trades Union Congress*; F. Bealey and H. M. Pelling, *Labour and Politics, 1900-1906*; Martin Harrison, *Trade Unions and the Labour Party since 1945*; V. L. Allen, *Trade Unions and the Government*; E. P. Thompson, *The Making of the English Working Class*; R. Harrison, *Before the Socialists: Studies in Labour and Politics, 1861-1881*; A. J. P. Taylor, *English History, 1914-1945*.

350 Theories in Industrial Relations

Mr Loveridge. Ten lectures, Lent Term.

For graduate students.

Syllabus The course will cover the theories of the Webbs, Hoxie, Perlman, Tannenbaum, Dunlop, Kerr, Lester, Flanders etc.

Recommended reading J. T. Dunlop, *Industrial Relations Systems*; S. and B. Webb, *Industrial Democracy*; R. F. Hoxie, *Trade Unionism in the United States*; S. Perlman, *Theory of the Labor Movement*; F. Tannenbaum, *A Philosophy of Labor*; C. Kerr et al., *Industrialism and Industrial Man*; R. A. Lester, *As Unions Mature*; A. Flanders, *Industrial Relations: What is Wrong with the System?*; A. Flanders, "Collective Bargaining: A Theoretical Analysis" (*British Journal of Industrial Relations*, Vol. VI, No. 1, March 1968); H. Behrend, "The Field of Industrial Relations" (*British Journal of Industrial Relations*, Vol. I, No. 3, October 1963); R. E. Walton and R. B. McKersie, *A Behavioral Theory of Labor Negotiations*.

351 Comparative Industrial Relations

Professor Roberts. Ten lectures, Lent Term.

For graduate students; suitable for the Trades Union Studies course and Dip. Personnel Management.

Syllabus Some aspects of the development of industrial relations in the U.S.S.R., U.S.A., the British Commonwealth and Europe. The development of trades union

organization, functions and methods of collective bargaining. The role of the state with reference to wage determination and the settlement of industrial conflicts. The pattern of industrial relations at the plant level.

Recommended reading I. Deutscher, *Soviet Trade Unions*; G. R. Barker, *Some Problems of Incentives and Labour Productivity in Soviet Industry*; F. R. Dulles, *Labor in America*; H. W. Davey, *Contemporary Collective Bargaining*; D. H. Wollett and B. Aaron, *Labor Relations and the Law*; A. E. C. Hare, *Report on Industrial Relations in New Zealand*; W. Galenson (Ed.), *Comparative Labor Movements*; International Labour Office, 1950, *Labour-Management Cooperation in France*; H. J. Spiro, *The Politics of German Co-determination*; K. F. Walker, *Industrial Relations in Australia*; B. C. Roberts, *Labour in the Tropical Territories of the Commonwealth*; A. F. Sturmthal, *Contemporary Collective Bargaining in Seven Countries*; B. C. Roberts (Ed.), *Industrial Relations: Contemporary Issues*; *British Journal of Industrial Relations* (Special Issue on Incomes Policy, Nov. 1964, Vol. II, No. 3; Special Issue on Japan, July 1965, Vol. III, No. 2); F. Harbison and C. Myers, *Management in the Industrial World*; A. F. Sturmthal, *Workers' Councils*.

352 Labour Problems

Professor Roberts, Dr Primorac and Mr Thurley. Sessional.

An interdisciplinary seminar on the problems of labour economics and industrial relations. Open to graduates taking labour economics, labour law, industrial sociology, industrial relations and related subjects.

353 Industrial Sociology

Mr Thurley. Twenty-five lectures, Sessional.

For graduate students with previous sociological training.

Syllabus Basic concepts used in the theory of work behaviour. Formal and informal work organization. Role, status and "political" systems. Authority systems and managerial ideologies. Theory of the

Industrial Relations

primary work group. Control of output by workers and financial incentive schemes. Leadership and theories of supervision. Classical and "human relations" theories of management behaviour. Theory of bureaucracy and models of organizational conflict. Relationship between technology, role systems and work behaviour. Social and cultural factors affecting industrialisation, innovation and the speed of technical change. Sociology of the labour market and of the occupational system.

Recommended reading J. C. Abegglen, *The Japanese Factory*; C. M. Arensberg et al., *Research in Industrial Human Relations*; R. Bendix, *Work and Authority in Industry*; P. Blau, *Dynamics of Bureaucracy*; E. F. L. Brech, *Organisation: The Framework of Management*; Wilfred Brown, *Exploration in Management*; T. Burns, *Sociology of Industry*; T. Burns and G. M. Stalker, *The Management of Innovation*; M. Crozier, *The Bureaucratic Phenomena*; R. Dubin, *The World of Work: Industrial Society and Human Relations*; Etzioni, *Complex Organizations*; European Productivity Agency, *Report of Rome Conference on Human Relations, 1956*; G. Friedman, *The Anatomy of Work*; A. Gouldner, *Patterns of Industrial Bureaucracy*; E. Jaques, *The Changing Culture of a Factory*; C. Kerr et al., *Industrialisation and Industrial Man*; R. L. Kahn et al., *Organisational Stress*; James W. Kuhn, *Bargaining in Grievance Settlement*; S. B. Levine, *Industrial Relations in Post-War Japan*; R. Likert, *New Patterns of Management*; S. M. Lipset and R. Bendix, *Social Mobility in Industrial Society*; T. Lupton, *On the Shop Floor*; D. McGregor, *The Human Side of the Enterprise*; J. G. March, *Handbook of Organisation*; S. Pollard, *The Genesis of Modern Management*; L. R. Sayles, *Behaviour of Industrial Work Groups*; W. H. Scott et al., *Technical Change and Industrial Relations*; H. A. Simon, *Administrative Behaviour*; J. H. Smith, *The University Teaching of Social Sciences: Industrial Sociology*; E. L. Trist, G. W. Higgin, H. Murray and A. B. Pollock, *Organisational Choice*; K. E. Thurley and A. C. Hamblin, *The Supervisor and his Job*; C. R. Walker, R. H. Guest and A. N. Turner, *The*

Foreman on the Assembly Line; J. Woodward, *Industrial Organisation*.

353(a) Industrial Sociology

Mr Thurley. Twenty-four lectures, Sessional.

For Dip. Personnel Management.

Syllabus An introduction to industrial sociology and analysis of personnel management policy and practice (selection, promotion, training, payment, consultation, work organization) in terms of these concepts.

353(b) Industrial Sociology (Class)

For Trades Union Studies course.

354 Introduction to Industrial Sociology

Mr Thurley. Twenty lectures, Michaelmas and Lent Terms.

For graduate students in Industrial Relations and Management Studies.

Syllabus An introduction to the sociology of work behaviour. Administrative and industrial relations problems discussed with this perspective.

Recommended reading S. R. Parker, R. K. Brown, J. Child and M. A. Smith, *The Sociology of Industry*; R. Dubin, *The World of Work*; E. V. Schneider, *Industrial Sociology*; T. Caplow, *The Sociology of Work*.

355 Trades Union Problems (Seminar)

Mr Gennard and guest speakers. Lent and Summer Terms.

Admission is strictly limited to the Trades Union Studies course.

356 Industrial Relations (Case Study Seminars)

Mr R. M. Lewis. Lent and Summer Terms.

For Trades Union Studies course; graduate students.

357 Labour Statistics

Mr Bosanquet. Eight lectures, Michaelmas Term.

For Dip. Personnel Management; M.Sc.: Industrial Relations; Trades Union Studies course.

Industrial Relations

Syllabus Statistics of employment and unemployment, wages, earnings and cost of living. Special problems such as absenteeism, labour turnover, short-time and overtime working, manpower forecasting.

358 Industrial Relations and Personnel Management for Non-Specialists

Professor Roberts, Miss Seear and others. Sessional.

For M.Sc.: *Industrial Relations and*

Personnel Management for Non-Specialists, XXIII option g.

Students are also referred to the following courses:

No. 41 **Labour Economics**

No. 73 **Labour Economics**

No. 447 **Elements of Labour Law**

No. 761 **Industrial Psychology**

Course in Trades Union Studies

Lectures and classes will be provided in the following subjects: Economics; Contemporary Trades Unionism and Industrial Relations; British Economic and Social History with special reference to the growth of labour movements; Law, with special reference to trades unionism; Political Organization in Great Britain; Industrial Sociology and Psychology; Elementary Statistics and Business Finance.

International Studies

Many of the subjects in which instruction is given at the School are relevant to the student of international affairs, who will find amongst the courses of study listed under the heads, for example, of Anthropology, Geography and Government several that will be of interest to him. There should, however, be singled out for special mention the courses of instruction listed under the heads of:

International Economics: Courses 52, 68-71

International History: Courses 288-320

International Law: Course 431
and, particularly,

International Relations: Courses 580-627

Language Studies

Page

385 Linguistics (General)
386 French
388 Spanish
389 German
389 Italian
390 Russian
391 English

N.B. Language Laboratory: Language tapes at various levels (including beginners) are available for self-instruction and for use in connection with regular classes. Enquiries to the Language Laboratory Assistant, 7th floor, Clare Market Building.

Language Studies

(English, French, German, Italian, Russian, Spanish, General Linguistics and Phonetics)

All new students wishing to study a language must register with the Secretary of the Department in the first week of the session. Students who, having already taken a language at Part I of the B.Sc. (Econ.), wish to continue with it at Part II, should consult their supervisor in the language concerned.

GENERAL

360 Introduction to General Linguistics

Miss Aitchison. Twenty-five lectures, Sessional.

Whole Course: for all B.A. degrees in Language Studies (first year); B.Sc. (Soc. Psych.), with Course No. 360(c): $\frac{1}{2}$ course unit. First fifteen lectures: for B.Sc. (Soc. Anth.) Part III: 2b (i).

Syllabus Scope of general linguistics. Language as structured symbolic vocal activity. Descriptive linguistics: phonology, morphology, syntax. Transformational-generative grammar. Language change: classification and causation. Comparative historical linguistics. Analytical, structural and contextual approaches to meaning.

Recommended reading R. W. Langacker, *Language and its Structure*; H. A. Gleason, *Introduction to Descriptive Linguistics* (2nd edn.); R. H. Robins, *General Linguistics: an Introductory Survey*; J. Lyons, *Introduction to Theoretical Linguistics*; C. F. Hockett, *A Course in Modern Linguistics*; A. Martinet, *Elements of General Linguistics*; F. de Saussure, *Course in General Linguistics*; E. Sapir, *Language*; L. Bloomfield, *Language*.

360(a) Introduction to General Linguistics (Class)

Miss Aitchison. Fortnightly, Sessional.

For B.A. French/Ling.; Ger./Ling.; Russian/Ling. (first year).

360(b) Introduction to General Linguistics (Class)

Michaelmas Term.

For B.Sc. (Soc. Anth.) Part III, 2b (i).

360(c) Introduction to General Linguistics (Class)

Lent Term.

For B.Sc. (Soc. Psych.).

361 Introduction to General Phonetics

Dr Denison and others. Sessional.

For all B.A. degrees in Language Studies (first year).

Syllabus Elementary articulatory and acoustic phonetics.

Recommended reading K. L. Pike, *Phonetics*; D. Jones, *The Phoneme*; L. E. Armstrong, *The Phonetics of French*; L. E. Armstrong and I. C. Ward, *A Handbook of English Intonation*; I. C. Ward, *The Phonetics of English*; B. Malmberg, *La Phonétique* (No. 637 in 'Que sais-je?' series); D. Jones, *An Outline of English Phonetics* (9th edn.); P. Ladefoged, *Elements of Acoustic Phonetics*; D. A. Abercrombie, *Elements of General Phonetics*.

361(a) Introduction to General Phonetics (Class)

Dr Denison. Fortnightly, Sessional.

For B.A. French/Ling.; Ger./Ling.; Russian/Ling. (first year).

361(b) Phonetics (Class)

Mr Durkin. Sessional.

For B.A. French/Ling.; Ger./Ling.; Russian/Ling. (second year).

362 Grammatical Theory

Mr Durkin. Sessional.

For B.A. French/Ling.; Ger./Ling.; Russian/Ling. (second year).

Syllabus and reading list to be announced.

363 Linguistic Theory

Mr Durkin. Sessional.

For B.A. French/Ling.; Ger./Ling.; Russian/Ling. (fourth year).

364 Psycholinguistics

Miss Aitchison and others.

Twenty-two lectures, Sessional.

For B.A. French/Ling., 4 and 5d; Ger./Ling., 9; Russian/Ling. (second and fourth years).

Syllabus and reading list to be announced.

365 Linguistics and Language

Teaching

Dr Denison. Twelve lectures, Lent and Summer Terms.

For B.A. French/Ling., 4 and 5b; Ger./Ling., 7; Russian/Ling. (second and fourth years).

366 Semantics

Miss Aitchison. Six lectures, Summer Term.

For B.A. French/Ling.; Ger./Ling.; Russian/Ling. (second and fourth years).

Syllabus and reading list to be announced.

367 General Linguistics

(Seminar)

Dr Denison, Miss Aitchison and Mr Durkin. Summer Term.

For B.A. French/Ling.; Ger./Ling.; Russian/Ling. (second year).

368 Language and Society (Seminar)

Miss Aitchison, Mr Hotopf and Dr Woodburn. Summer Term.

For graduate students.

FRENCH

369(i) The History of the French Language, I

Dr George. Twenty-five lectures, Sessional.

For B.A. French/Ling.; French/Spanish; Ger./French; French/Russian (first year).

Recommended reading A. Ewert, *The French Language*; W. von Wartburg, *Evolution et structure de la langue française* (6th edn.); C. Bruneau, *Petite histoire de la langue française*, Vol. I, *Des origines à la Révolution* (3rd edn.).

369(ii) The History of the French Language, II

Dr George. Sessional.

For B.A. French/Ling.; French/Spanish; Ger./French; French/Russian (second year).

370 An Outline of Nineteenth and Twentieth Century French Literature

Dr George. Sessional.

For B.A. French/Ling.; French/Spanish; Ger./French; French/Russian (first year).

371 Selected Topics from Nineteenth Century French Literature

Mrs Scott-James. Sessional.

For B.A. French/Ling.; French/Spanish; Ger./French; French/Russian (first year).

371(a) Nineteenth Century French Literature (Class)

Mrs Scott-James. Sessional.

For B.A. French/Ling.; French/Spanish; Ger./French; French/Russian (first year).

372 Selected Topics from Twentieth Century French Literature

Mrs Scott-James. Sessional.

For B.A. French/Ling.; French/Spanish; Ger./French; French/Russian (second year).

372(a) Twentieth Century French Literature (Class)

Mrs Scott-James. Sessional.

For B.A. French/Ling.; French/Spanish; Ger./French; French/Russian (second year).

373 Nineteenth and Twentieth Century French Literature (Seminar)

Dr Tint and others. Michaelmas and Lent Terms.

For B.A. French/Ling.; French/Spanish; Ger./French; French/Russian (fourth year).

374 French Essay and Translation (Classes)

Mrs Scott-James. Sessional.

For B.A. French/Ling.; French/Spanish; Ger./French; French/Russian (first year); B.Sc. (Econ.) Part I: alternative subject 11, *An Approved Modern Foreign Language: French*.

375(i) French Essay and Translation (Classes)

Mrs Scott-James. Sessional.

For B.A. French/Ling.; French/Spanish; Ger./French; French/Russian (second year).

375(ii) French Essay and Translation (Classes)

Mrs Scott-James. Sessional.

For B.A. French/Ling.; French/Spanish; Ger./French; French/Russian (fourth year).

376(i) French Essay and Translation (Classes)

Sessional.

For B.Sc. (Econ.) Part II: *An Approved Modern Foreign Language: French*, I 3c; III 3d; VI 8d; VII 7 and 8i; VIII 3f; XII 8g; XIV 3d; XV 5 and 6c (second year).

376(ii) French Essay and Translation (Classes)

Sessional.

For B.Sc. (Econ.) Part II: *An Approved Modern Foreign Language: French*, I 3c; III 3d; VI 8d; VII 7 and 8i; VIII 3f; XII 8g; XIV 3d; XV 5 and 6c (third year).

377 French Contemporary Texts and Discussion (Class)

Sessional.

For B.A. French/Ling.; French/Spanish; Ger./French; French/Russian (first year); B.Sc. (Econ.) Part I: alternative subject 11, *An Approved Modern Foreign Language: French*.

378(i) French Political and Social Texts from 1815 (Class)

Dr Tint. Sessional.

For B.Sc. (Econ.) Part II: *An Approved Modern Foreign Language: French*, I 3c; III 3d; VI 8d; VII 7 and 8i; VIII 3f; XII 8g; XIV 3d; XV 5 and 6c (second year).

378(ii) French Political and Social Texts from 1815 (Class)

Dr Tint. Sessional.

For B.Sc. (Econ.) Part II: *An Approved Modern Foreign Language: French*, I 3c; III 3d; VI 8d; VII 7 and 8i; VIII 3f; XII 8g; XIV 3d; XV 5 and 6c (third year).

379 History of France since 1870

Dr Tint. Sessional.

For B.A. French/Ling.; French/Spanish; Ger./French; French/Russian (first and second years); B.Sc. (Econ.) Part II: *An Approved Modern Foreign Language: French*, I 3c; III 3d; VI 8d; VII 7 and 8i; VIII 3f; XII 8g; XIV 3d; XV 5 and 6c (second and third years).

380 French Special Subjects

Sessional.

For B.A. French/Ling.; French/Spanish; Ger./French; French/Russian (second and fourth years).

Language Studies

381 Beginners' French

Beginners' French language classes will be arranged for undergraduates, graduates and staff on an extracurricular basis, but requiring regular attendance. Early registration with the Secretary of the Department is essential.

SPANISH

382(i) The History of the Spanish Language, I

Mr Gooch. Sessional.

For B.A. French/Spanish; Ger./Spanish (first and second years).

382(ii) The History of the Spanish Language, II

Mr Gooch. Sessional. This course will not be given in the session 1970-71; it will be given in the session 1971-72.

For B.A. French/Spanish; Ger./Spanish (first and second years).

383 Spanish Translation I (Class)

Mr Gooch. Sessional.

For B.A. French/Spanish; Ger./Spanish (first year); B.Sc. (Econ.) Part I: alternative subject 11, *An Approved Modern Foreign Language: Spanish*.

384 Spanish Contemporary Texts and Discussion (Class)

Mr Gooch. Sessional.

For B.A. French/Spanish; Ger./Spanish (first year); B.Sc. (Econ.) Part I: alternative subject 11, *An Approved Modern Foreign Language: Spanish*.

Recommended reading There are no prescribed texts, but students will find the following books helpful: L. C. Harmer and F. J. Norton, *A Manual of Modern Spanish*; R. K. Spaulding, *Syntax of the Spanish Verb*; R. K. Spaulding, *How Spanish Grew*; W. C. Atkinson, *A History of Spain and Portugal*; J. García López, *Historia de la literatura española*; F. Eguiagaray, *Historia contemporánea de España*.

385(i) Spanish Essay and Translation (Classes)

Mr Gooch. Sessional.

For B.A. French/Spanish; Ger./Spanish (second year).

385(ii) Spanish Essay and Translation (Classes)

Mr Gooch. Sessional. These classes will not be given in the session 1970-71.

For B.A. French/Spanish; Ger./Spanish (fourth year).

386(i) Spanish Essay and Translation (Classes)

Mr Gooch. Sessional.

For B.Sc. (Econ.) Part II: *An Approved Modern Foreign Language: Spanish*, I 3c; III 3d; VI 8d; VII 7 and 8i; VIII 3f; XII 8g; XIV 3d; XV 5 and 6c (second year).

386(ii) Spanish Essay and Translation (Classes)

Mr Gooch. Sessional.

For B.Sc. (Econ.) Part II: *An Approved Modern Foreign Language: Spanish*, I 3c; III 3d; VI 8d; VII 7 and 8i; VIII 3f; XII 8g; XIV 3d; XV 5 and 6c (third year).

387 Selected Nineteenth and Twentieth Century Spanish Authors

Mr Gooch. Sessional.

For B.A. French/Spanish; Ger./Spanish (first year); B.Sc. (Econ.) Part II: *An Approved Modern Foreign Language: Spanish*, I 3c; III 3d; VI 8d; VII 7 and 8i; VIII 3f; XII 8g; XIV 3d; XV 5 and 6c (second year).

Students who wish to study Spanish outside the framework of courses for examination should consult Mr Gooch as early as possible in the session.

Language Studies

GERMAN

388(i) The History of the German Language, I

Dr Denison. Sessional.

For B.A. Ger./Ling.; Ger./French; Ger./Spanish; Ger./Russian (first year).

388(ii) The History of the German Language, II

Mr Durkin. Sessional.

For B.A. Ger./Ling.; Ger./French; Ger./Spanish; Ger./Russian (second year).

389 German Translation I (Class)

Sessional.

For B.A. Ger./Ling.; Ger./French; Ger./Spanish; Ger./Russian (first year); B.Sc. (Econ.) Part I: alternative subject 11, *An Approved Modern Foreign Language: German*.

390 German Contemporary Texts and Discussion (Classes)

Sessional.

(i) For B.A. Ger./Ling.; Ger./French; Ger./Spanish; Ger./Russian (first year); B.Sc. (Econ.) Part I: alternative subject 11, *An Approved Modern Foreign Language: German*.

(ii) For B.A. Ger./Ling.; Ger./French; Ger./Spanish; Ger./Russian; B.Sc. (Econ.) Part II: *An Approved Modern Foreign Language: German*, I 3c; III 3d; VI 8d; VII 7 and 8i; VIII 3f; XII 8g; XIV 3d; XV 5 and 6c (second year).

(iii) For B.Sc. (Econ.) Part II: *An Approved Modern Foreign Language: German*, I 3c; III 3d; VI 8d; VII 7 and 8i; VIII 3f; XII 8g; XIV 3d; XV 5 and 6c (third year).

391(i) German Essay and Translation (Classes)

Sessional.

For B.A. Ger./Ling.; Ger./French; Ger./Spanish; Ger./Russian (second year).

391(ii) German Essay and Translation (Classes)

Sessional. These classes will not be given in the session 1970-71.

For B.A. Ger./Ling.; Ger./French; Ger./Spanish; Ger./Russian (fourth year).

392(i) German Essay and Translation (Classes)

Sessional.

For B.Sc. (Econ.) Part II: *An Approved Modern Foreign Language: German*, I 3c; III 3d; VI 8d; VII 7 and 8i; VIII 3f; XII 8g; XIV 3d; XV 5 and 6c (second year).

392(ii) German Essay and Translation (Classes)

Sessional.

For B.Sc. (Econ.) Part II: *An Approved Modern Foreign Language: German*, I 3c; III 3d; VI 8d; VII 7 and 8i; VIII 3f; XII 8g; XIV 3d; XV 5 and 6c (third year).

393 Selected Nineteenth and Twentieth Century German Authors

Sessional.

For B.A. Ger./Ling.; Ger./French; Ger./Spanish; Ger./Russian (first and second years).

Students (including beginners) who wish to study German at any level outside the framework of courses for examination, should consult the Secretary of the Department as early as possible in the session.

ITALIAN

394 Italian Translation I (Class)

Sessional.

For B.Sc. (Econ.) Part I: alternative subject 11, *An Approved Modern Foreign Language: Italian*.

395 Italian Contemporary Texts and Discussion (Class)

Sessional.

For B.Sc. (Econ.) Part I: alternative subject 11, *An Approved Modern Foreign Language: Italian*.

Language Studies

Recommended reading There are no prescribed texts, but students will find the following books helpful: D. Mack Smith, *Italy, a Modern History*; M. Grindrod, *The Rebuilding of Italy*; D. S. Walker, *A Geography of Italy*; S. Clough, *The Economic History of Modern Italy*; V. Lutz, *Italy, A Study in Economic Development*; F. Chabod, *L'Italia Contemporanea*; G. Procacci, *Storia degli Italiani*.

396(i) Italian Essay and Translation (Classes)

Sessional.

For B.Sc. (Econ.) Part II: *An Approved Modern Foreign Language: Italian*, I 3c; III 3d; VI 8d; VII 7 and 8i; VIII 3f; XII 8g; XIV 3d; XV 5 and 6c (second year).

396(ii) Italian Essay and Translation (Classes)

Sessional.

For B.Sc. (Econ.) Part II: *An Approved Modern Foreign Language: Italian*, I 3c; III 3d; VI 8d; VII 7 and 8i; VIII 3f; XII 8g; XIV 3d; XV 5 and 6c (third year).

397 Selected Nineteenth and Twentieth Century Italian Authors

Sessional.

For B.Sc. (Econ.) Part II: *An Approved Modern Foreign Language: Italian*, I 3c; III 3d; VI 8d; VII 7 and 8i; VIII 3f; XII 8g; XIV 3d; XV 5 and 6c (second and third years).

Students (including beginners) who wish to study Italian at any level outside the framework of courses for examination, should consult the Secretary of the Department as early as possible in the session.

RUSSIAN

398 Russian Translation I (Class)

Sessional.

For B.A. French/Russian; Ger./Russian; Russian/Ling. (first year); B.Sc. (Econ.) Part I: alternative subject 11, *An Approved Modern Foreign Language: Russian*.

399 Russian Contemporary Texts and Discussion (Class)

Weekly, Sessional.

For B.A. French/Russian; Ger./Russian; Russian/Ling. (first year); B.Sc. (Econ.) Part I: alternative subject 11, *An Approved Modern Foreign Language: Russian*.

Suggested reading There are no prescribed texts, but students will find the following books helpful: I. M. Pulkina, *A Short Russian Reference Grammar*; D. Ward, *Russian Pronunciation*; V. Klepko, *Stress in Russian*; P. Henry, *Russian Prose Composition*; R. Charques, *A Short History of Russian Literature*, Vols. I and II; *Soviet Short Stories* (Penguin); D. Ward, *Russian Today*.

400(i) Russian Essay and Translation (Classes)

Sessional.

For B.A. French/Russian; Ger./Russian; Russian/Ling. (second year).

400(ii) Russian Essay and Translation (Classes)

Sessional. These classes will not be given in the session 1970-71.

For B.A. French/Russian; Ger./Russian; Russian/Ling. (fourth year).

401(i) Russian Essay and Translation (Classes)

Sessional.

For B.Sc. (Econ.) Part II: *An Approved Modern Foreign Language: Russian*, I 3c; III 3d; VI 8d; VII 7 and 8i; VIII 3f; XII 8g; XIV 3d; XV 5 and 6c (second year).

401(ii) Russian Essay and Translation (Classes)

Sessional.

For B.Sc. (Econ.) Part II: *An Approved Modern Foreign Language: Russian*, I 3c; III 3d; VI 8d; VII 7 and 8i; VIII 3f; XII 8g; XIV 3d; XV 5 and 6c (third year).

Language Studies

402 Selected Nineteenth and Twentieth Century Russian Authors
Sessional.

For B.A. French/Russian; Ger./Russian; Russian/Ling. (first year); B.Sc. (Econ.) Part II: *An Approved Modern Foreign Language: Russian*, I 3c; III 3d; VI 8d; VII 7 and 8i; VIII 3f; XII 8g; XIV 3d; XV 5 and 6c (second and third years).

Students (including beginners) who wish to study Russian at any level outside the framework of courses for examination, should consult the Secretary of the Department as early as possible in the session.

ENGLISH

403 English as a Foreign Language
Mr Chapman. Twenty-four lectures, Sessional.

For students whose native language is not English.

Syllabus The sentence. Nouns; articles and other modifiers of nouns. Pronouns. The verb; questions and negative statements; use of the tenses; auxiliaries; subject and object. Direct and reported speech. Position of adverbs. Prepositions. Clauses of purpose, result and condition. Number. Word-order. Punctuation. Figures of speech. Changes of meaning. Methods of word-formation.

Recommended reading V. H. Collins, *A Book of English Idioms, with Explanations*; O. Jespersen, *Essentials of English Grammar*; C. L. Wrenn, *The English Language*; S. Potter, *Our Language*; H. W. Fowler, *Modern English Usage*; *The Concise Oxford Dictionary*; G. H. Vallins, *The Pattern of English*; C. Barber, *Linguistic Change in Present-Day English*.

403(a) English as a Foreign Language (Class)

Mr Chapman. In connection with Course No. 403.

For the discussion of written work and problems of contemporary usage.

Admission will be by permission of Mr Chapman.

404 English Speech

Mr Chapman. Five lectures, Michaelmas Term.

For students whose native language is not English, though this course may be of value to other students.

Syllabus Speech-mechanism. The basic sounds of English speech. Accent, stress and intonation. Elision and weak forms. Dialect. Modern tendencies.

Recommended reading J. R. Firth, *Speech*; D. Jones, *An English Pronouncing Dictionary*; N. C. Scott, *English Conversations*; P. A. D. MacCarthy, *English Pronunciation*; I. C. Ward, *The Phonetics of English*; A. C. Gimson, *An Introduction to the Pronunciation of English*.

405 Written English

Mr Chapman. Eight lectures, Lent Term.

Open to all students. Recommended for candidates for Civil Service and similar public examinations.

Syllabus The basic structure of English. Choice of words. Meaning and association. Sentence-formation. Levels of communication. Punctuation. Preparation and presentation of material.

Recommended reading R. Chapman, *A Short Way to Better English*; Ernest Gowers, *Plain Words*; H. W. Fowler, *The King's English*; A. Quiller-Couch, *The Art of Writing*; R. Quirk, *The Use of English*; G. H. Vallins, *Good English*.

406 History of English Style (Class)

Mr Chapman. Sessional.

For students of English as a foreign language.

Syllabus Comparative study of prose style from the seventeenth century, with particular attention to modern writing, including scientific, technical and political texts. Students will be expected to buy a copy of *English Essays*, edited by W. E. Williams (Penguin Books).

Law

Law

COURSES INTENDED PRIMARILY FOR LL.B. STUDENTS

416 English Legal System

Mr Zander and Professor Milsom.
Thirty-eight lectures, Sessional.

For LL.B. Intermediate.

Syllabus I. *Learning the law* (five lectures in the first week):

The nature of the legal process; case and statute law and the courts; law reports and the library.

Recommended reading G. L. Williams, *Learning the Law*.

Syllabus II.

(a) *Making the law*: sources of law; custom; precedent; statutes and statutory interpretation.

(b) *Changing the law*: the machinery of law reform; codification.

(c) *Historical development of the English legal system*: origins of common law; general outline of the forms of action; development of equity; nineteenth-century reforms.

(d) *The Courts*: their structure, organization, jurisdiction.

(e) *Pre-trial*:

(1) Civil: interlocutory proceedings, pleadings.

(2) Criminal: investigation of crime by the police; the Judges' Rules; police powers of search; arrest; bail.

(f) *The Trial*:

Proceedings before the magistrates, including preliminary hearings; procedure in civil and criminal trials; rules of evidence. The jury.

Remedies; enforcement of judgments. The appeal process. The costs of litigation; legal aid; right to counsel.

(g) *The legal profession*: judges, barristers and solicitors.

PRESCRIBED TEXTBOOK: R. M. Jackson, *The Machinery of Justice in England*.

Recommended reading G. R. Y. Radcliffe and G. Cross, *The English Legal System*; O. Hood Phillips, *A First Book of English Law*; G. L. Williams, *Proof of Guilt*; P. A.

Devlin, *The Criminal Prosecution in England*; *Trial by Jury*; P. Archer, *The Queen's Courts*; S. Bedford, *Faces of Justice; The Best We Can Do*; C. K. Allen, *Law in the Making*; R. E. Megarry *The Lawyer and Litigant in England*; B. Abel-Smith and R. B. Stevens, *In Search of Justice*; M. Zander, *Lawyers and the Public Interest*.

Students should consult the latest editions of these books.

Note Students are also required to attend Course No. 24 Topics in Applied Economics.

417 Public Law I: Elements of Government

Professor Griffith and Dr Leigh.
Twenty-four lectures, Sessional.

For LL.B. Intermediate; B.A., B.Sc. (Soc.) Branch III, 2 (first year). Optional for Dip. Soc. Admin. (first year and one-year).

Syllabus (1) *The special characteristics of public law in England*.

(2) *The institutions of government*:

(a) The Prime Minister, the Cabinet, the central government departments. The civil service. Political parties.

(b) Local authorities: their staff.

(c) Public corporations: their staff.

(d) Parliament: its composition, functions and privileges. Ministerial responsibility. Elections.

(e) The Judiciary: its constitutional position.

(3) *The processes of government*:

The administrative process: its characteristics. The working of government. The functional relations between the institutions of government. The royal prerogative.

The legislative process: its characteristics, pre-parliamentary and parliamentary. Subordinate legislation. Private Bills.

The judicial process: its characteristics. The impact of the courts on the processes of government. Administrative tribunals.

Recommended reading O. Hood Phillips, *Constitutional and Administrative Law*; A. H. Birch, *The British System of Government*; G. Wilson, *Cases and Materials on Constitutional and Administrative Law*.

FURTHER READING AND REFERENCE: J. A. G. Griffith and H. Street, *Principles of Administrative Law* (4th edn.); R. F. V. Heuston, *Essays in Constitutional Law*; W. I. Jennings, *The Law and the Constitution* (5th edn.); J. D. B. Mitchell, *Constitutional Law* (2nd edn.); G. Marshall and G. C. Moodie, *Some Problems of the Constitution*; B. R. Crick, *The Reform of Parliament*; R. T. McKenzie, *British Political Parties* (2nd edn.); L. S. Amery, *Thoughts on the Constitution*.
Students should consult the latest editions of these books.

418 Law of Contract I

Professor Cornish and Mr Pickering. Thirty lectures, Michaelmas and Lent Terms.
For LL.B. Intermediate.

Syllabus Functions of contract. Background and modern problems of the English Law.

Formation of valid contracts; intention to create legal relations; offer and acceptance; certainty; consideration; capacity; form. Content: terms of the contract; interpretation of terms; express and implied terms; legal basis of standard contracts; judicial and legislative control of contract; oral, written and collateral contracts. Misrepresentation; mistake; duress and undue influence.

Privity of contract and its problems. (Note Assignment and agency are as such excluded.)

Performance: agreed variation and abrogation; discharge by breach and frustration.

Remedies for breach (in outline). Quasi-contractual remedies (in outline).

Recommended reading TEXTBOOKS: G. C. Cheshire and C. H. S. Fifoot, *The Law of Contract*; J. C. Smith and J. A. C. Thomas, *A Casebook on Contract*; R. Sutton and N. P. Shannon, *On Contract* (Ed. K. W. Wedderburn); G. H. Treitel, *The Law of Contract*; W. R. Anson, *Principles of the English Law of Contract* (Ed. A. G. Guest).

FURTHER READING AND REFERENCE: P. S. Atiyah, *An Introduction to the Law of Contract*; J. Chitty, *On Contracts*

(Vol. I, Ed. J. Morris); J. W. Salmond and J. Williams, *Principles of the Law of Contract*; P. S. Atiyah, *The Sale of Goods*; J. F. Wilson, *Principles of the Law of Contract*; C. H. S. Fifoot, *History and Sources of Common Law*; A. Diamond and G. Borrie, *The Consumer, Society and the Law*; R. Lowe, *Sale of Goods and Hire Purchase*; V. Korah, *Monopolies and Restrictive Practices*; R. Stevens and B. S. Yamey, *The Restrictive Practices Court*.
Students should consult the latest editions of these books.

419 Law of Tort I

Mr Dean and Mr Rickford. Twenty-nine lectures, Michaelmas and Lent Terms.

For LL.B. Intermediate.

Syllabus Part I: Introduction.

General observations: a brief examination of the various interests protected by the law of tort and the mental element involved in tort generally.

Part II: Intentional torts to person and property.

(a) Trespass to the person. This should cover assault, battery and false imprisonment and *Wilkinson v. Downton*. In addition, however, it is appropriate here to consider and compare malicious prosecution.

(b) Chattels. This covers trespass to chattels, conversion and detinue.

(c) Trespass to land.

(d) General defences to intentional torts to persons and property.

Part III: Negligent invasions of interests in person and property.

(a) Negligence generally (including *res ipsa loquitur*) and a brief indication of causation and remoteness. (A full discussion of causation and remoteness is deferred until Part II of the course.)

(b) Particular examples of duty to take care:

- (i) Chattel liability.
- (ii) Negligence in relation to premises.
- (iii) Employer's duty of care to workmen (briefly: a fuller study is deferred until the second-year course).
- (iv) Animals.

- (v) Statement (briefly: a fuller examination is deferred until Part II).

Part IV: Invasion of interests in person and property where intentional or negligent conduct need not always be proved.

(a) Nuisance.

(b) *Rylands v. Fletcher*.

Part V: Residual interests receiving protection in the law of tort.

(a) Interference with family relations.

(b) Liability between spouses.

(c) Miscellaneous interests.

Recommended reading TEXTBOOKS: J. W. Salmond, *The Law of Torts*; H. Street, *The Law of Torts*; P. H. Winfield, *Textbook on the Law of Tort*; J. G. Fleming, *Introduction to the Law of Torts*.

FURTHER READING: C. A. Wright, *Cases on the Law of Torts*; J. F. Clerk and W. H. B. Lindsell, *The Law of Torts*; S. Chapman, *Statutes on the Law of Torts*; J. G. Fleming, *The Law of Torts*; W. L. Prosser, *Handbook of the Law of Torts*.
Students should consult the latest editions of these books.

420 Law of Property I

Professor Milsom. Twenty-four lectures of one-and-a-half hours, Sessional.

For LL.B. Intermediate.

Syllabus General introduction: purposes of property law; types of property and of property right; nature and historical origin of equitable interests. Chattels: basis of title; finding; bailment; gift; sale.

Land: tenure; estates; uses and trusts; outline of future interests before 1925; easements, covenants etc.; effects in outline of 1925 legislation; conveyance and estate contract. Choses in action: types; assignment of debts; negotiable instruments (in outline); transfer of shares; assignment of equitable interests. Devolution on death, including family provision (in outline).

Property as security: pledge; hire purchase etc. (in outline); mortgage.

Recommended reading TEXTBOOKS: G. C. Cheshire, *Modern Law of Real Property*; R. E. Megarry, *Manual of Real Property*;

J. Crossley Vaines, *Personal Property*.
FURTHER REFERENCE: F. H. Lawson, *The Law of Property*; A. D. Hargreaves, *Introduction to the Principles of Land Law*; G. W. Paton, *Bailment in Common Law*; O. R. Marshall, *Assignment of Choses in Action*.

Students should consult the latest editions of these books.

421 Criminal Law

Mr Hall Williams and Mr. D. A. Thomas.

Forty-six lectures, Sessional.

For LL.B. Part I.

Syllabus A. *General Principles of Responsibility.*

The need for a principle of responsibility and the growth of strict responsibility. Objective and subjective tests of liability. The meaning of *Actus Reus* and *Mens Rea*. Acts and omissions. Voluntary and involuntary conduct. Causation. Intention, recklessness and negligence. Principles of construction of penal legislation. Attempts, conspiracy and degrees of participation. General defences.

Specific Problems of Responsibility.

Mental disorder: insanity, diminished responsibility and the treatment of the mentally ill. Infancy. Corporations and group responsibility. Vicarious liability. B. *Specific Crimes: Legal Definition and Social Pathology.*

The more important criminal offences against person and property will be considered against the context of behavioural patterns in society and the use of the criminal law as a means of social control.

C. *Introduction to Criminology.*

Causal factors in crime. Crime prevention. Theory and purposes of punishment. The sentencing process and the function of the Courts; principles of sentencing policy. Treatment of offenders.

Recommended reading BASIC TEXTBOOKS: J. C. Smith and B. Hogan, *Criminal Law*; R. Cross and P. A. Jones, *Introduction to Criminal Law*; C. S. Kenny, *Outlines of Criminal Law*; J. W. C. Turner and A. L. Armitage, *Cases on Criminal Law*; D. W. Elliott and J. C. Wood, *A Casebook on Criminal Law*.

FURTHER READING: W. O. Russell, *Crime* (Ed. J. W. C. Turner); J. C. Smith and B. Hogan, *Criminal Law*; G. L. Williams, *Criminal Law: The General Part; The Mental Element in Crime*; N. R. Morris and C. Howard, *Studies in Criminal Law*; J. Ll. J. Edwards, *Mens Rea in Statutory Offences*; C. Howard, *Strict Responsibility*; A. Goldstein, *The Insanity Defense*; B. Wootton, *Crime and the Criminal Law*; N. Walker, *Crime and Punishment in Britain; Sentencing in a Rational Society*; D. A. Thomas, *Principles of Sentencing*; J. E. Hall Williams, *The English Penal System in Transition*; Report of the Royal Commission on Capital Punishment, 1953 (Cmd. 8932); Report of the Interdepartmental Committee on the Business of the Criminal Courts (Streatfeild Committee) (Cmnd. 1289); Criminal Law Revision Committee, Eighth Report, *Theft and Related Offences*, 1966 (Cmnd. 2977). Students should consult the latest editions of these books.

Note The lecturer will give guidance at the commencement of the course on the books to be selected for basic reading. Students are accordingly advised to defer final selection until they have consulted the lecturer or their tutors.

422 Sentencing and the Treatment of Offenders

Mr Hall Williams. Five lectures, Lent Term.

Optional for LL.B. Part I; B.A./B.Sc. (Soc.) Branch I, 9 and 10d (second year); B.Sc. (Econ.) Part II: *Criminology*, IX 8c (second year); LL.M.

Syllabus The aims of punishment for crime. The sentencing process. A brief account of current trends in the treatment of offenders.

Recommended reading N. Walker, *Crime and Punishment in Britain*; R. Hood, *Sentencing in Magistrates' Courts*; B. Wootton, *Crime and the Criminal Law*; H. L. A. Hart, *Punishment and Responsibility*; Report of the Interdepartmental Committee on the Business of the Criminal Courts (Streatfeild Committee) (Cmnd. 1289); H.M.S.O., *The Sentence of the Court*, April 1964.

423 Law of Contract and Tort II

Professor Wedderburn, Mr Dean and Mrs Reid. Twenty-five lectures, Sessional.

For LL.B. Part I.

Syllabus Contract.

I. Illegality: public policy and contracts void or illegal by statute; judicial and statutory control of "freedom of contract".

II. Remedies in the modern law; problems of certain types of contract (e.g. penalties and hire purchase). See *Tort III*.

III. Agency (in outline); the problems of "the third party" reconsidered. See *Tort II (e)*.

IV. Misrepresentation, collateral contracts and tort liability; the innocent statement in modern English law and society. See *Tort IV (a)*.

V. Contractual and other obligations; the future of "free contract" in types of commercial and industrial relations; "status" and "contract"; the relationship with "quasi-contract" or "restitution"; the impact of insurance. See *Tort IV (d)*.

Syllabus Tort.

I. Defamation and injurious falsehood.

II. Economic Tort etc.: (a) Employer's duty of care to workmen; (b) Servants and independent contractors etc.; (c) Breach of statutory duty; (d) Legal position of Trades Unions; (e) Conspiracy, interference with contract and intimidation; (f) Examination of Trade Disputes Act (in outline).

III. Remedies in Tort: particular attention will be paid to: (a) Damages; (b) Effect of death; (c) Limitation.

IV. A closer study of certain contract-tort relationships (this, in particular, will be closely linked with aspects of the Contract course).

(a) Effect of statements in contract and tort. Negligent misstatements, collateral contracts, deceit etc. See *Contract IV*.

(b) Business interests in contract and tort. (c) Remoteness of damage in contract and tort. See *Contract II*.

(d) A study of the nature of civil liability in modern society. Negligence; strict liability; insurance; state schemes; any foreign schemes worthy of analysis for comparative purposes.

(e) Gaps and defects in the field of contract and tort.

Recommended reading As in 418 and 419 above.

Note Although the teaching of Contract and Tort is combined for Part I, there will be a separate examination paper in each subject.

424 Law of Property II

Dr Valentine and Mr Evans.

Fifty lectures, Sessional.

For LL.B. Part I.

Syllabus Freedom of disposition of property; entails and future interests; private trusts; settlements and trusts for sale of land; concurrent interests; perpetuities and accumulations. Modern functions of the trust; the impact of taxation; charitable trusts.

Freedom of use of property: rights and duties of proprietors; easements, covenants and public rights over property; governmental control; planning; compulsory purchase.

Letting property; hiring personalty; leaseholds; rent control, security of tenure and other limits.

Land titles; private conveyancing; registration of encumbrances; registration of title; the systems compared.

Remedies; actions protecting interests in chattels, land; breach of trust.

Recommended reading TEXTBOOKS: G. C. Cheshire, *Modern Law of Real Property*; R. E. Megarry, *Manual of Real Property*; J. Crossley Vaines, *Personal Property*; J. A. Nathan, *Equity through the Cases*; P. H. Pettit, *Equity and the Law of Trusts*; Hanbury, *Modern Equity* (9th edn. by R. H. Maudsley).

FURTHER REFERENCE: R. E. Megarry and H. W. R. Wade, *Law of Real Property*; J. H. C. Morris and W. B. Leach, *The Rule against Perpetuities*; F. H. Lawson, *The Law of Property*; K. De Schweinitz, *England's Road to Social Security*; W. H. Beveridge, *Voluntary Action*; D. B. Parker and A. R. Mellows, *The Modern Law of Trusts*; A. E. Telling, *Planning Law and Procedure*; G. W. Keeton, *Social Change in the Law of Trusts*; G. H. Curtiss and T. B. F. Ruoff, *Registered Conveyancing*.

Students should consult the latest editions of these books.

425 Public Law II

Dr Leigh and Mr Evans. Thirty-seven lectures. Sessional.

For LL.B. Part I.

Syllabus Jurisprudential problems of public law. The concepts of parliamentary sovereignty and the rule of law. The nature of conventions. The categories of power: legislative, judicial, administrative. Judicial review of administrative action. Legal liability of the Crown and other public authorities.

Civil liberties. Constitutional position of police. Extradition, deportation and the status of aliens and Commonwealth citizens. Emergency powers.

Legal and conventional aspects of Commonwealth relations.

Recommended reading As for Introduction to Public Law, with the addition of the following for FURTHER READING AND REFERENCE: J. D. B. Mitchell, *Constitutional Law*; H. Street, *Freedom, the Individual and the Law*; Justice in the Welfare State; D. Williams, *Not in the Public Interest*; Keeping the Peace; S. A. de Smith, *Judicial Review of Administrative Action*; The New Commonwealth and its Constitutions (chap. 1); H. W. R. Wade, *Administrative Law*; J. F. Garner, *Administrative Law*; D. C. M. Yardley, *A Source Book of English Administrative Law*; I. Zamir, *The Declaratory Judgment*; A. Rubinstein, *Jurisdiction and Illegality*; K. C. Wheare, *Constitutional Structure of the Commonwealth*; G. Marshall, *Police and Government*.

Students should consult the latest editions of these books.

426 Law and Social Policy

Various lecturers. Twenty lectures, Michaelmas and Lent Terms.

For LL.B. Part I. Optional for B.A./B.Sc. (Soc.) Branch III (second year); Dip. Soc. Admin. (second year).

Syllabus I. The characteristics of contemporary English society: its urban and industrial nature; its political and economic assumptions; its social stratification and employment structure; its moral and religious foundations. The effects of these characteristics and of

international influences on the shaping of English Law.

II. Social policy and private rights and interests; property rights and housing legislation; contractual rights in relation to standard clauses, restrictive trade practices, hire purchase agreements and contracts of employment; prostitution and homosexuality; race relations; freedom of expression and the law of defamation; the rules governing contempt of court and censorship; the use of the highway; a comparison of the purposes and effects of (a) civil liability and compensation for road accidents, and insurance; (b) the law relating to driving and traffic offences; (c) the Buchanan Report on Traffic in Towns.

Note The content of the course may be changed from time to time.

427 Jurisprudence

Mr J. W. Harris, Mrs Reid, Mr Rickford and Dr Lapenna. Fifty lectures, Sessional.

For LL.B. Part II.

Syllabus 1. Natural Law. Classical and modern theories: law and morals, utilitarianism, the social contract.

2. Imperative theories of law. Positivism: will, sanction, duty, sovereignty.

3. Marxist theories of law. Theories of state and revolution, development of communist law.

4. Rule theories of law. The pure theory and the science of law; the basic norm and the rule of recognition; primary and secondary rules; normative language.

5. Rights and duties—legal terminology.

6. The enforcement of morality.

7. Sociological jurisprudence. Theories of interests, the judicial process.

Recommended reading will be given during the course.

428 Law of Evidence

Mr Dean. Fifty lectures, Sessional.

For LL.B. Part II.

Syllabus 1. Form of trial at Common Law: influence of relationship of judge and jury and adversary system on rules of evidence; decline of jury.

2. What may be proved: (i) facts in issue; (ii) facts probative of facts in issue; (iii) facts relevant to reliability and credibility; (iv) facts conditioning admissibility.

3. Rational basis of proof: direct and inferential proof; validity and limitations of circumstantial proof; non-permissible inferences; prejudice; evidence of character of parties and similar facts; *res gestae*.

4. Incidence of proof: burdens; presumptions and standard of proof.

5. Form of evidence: (i) oral testimony: validity and sources of error; attendance of witnesses; competence and compellability; examination in court; techniques developed to test reliability and credibility, especially cross-examination; self-serving and inconsistent statements; character and credit of witnesses; position of accused under the Criminal Evidence Act, 1898; corroboration. (ii) documentary evidence: public, judicial and private documents; discovery; proof of contents and execution, extrinsic evidence. (iii) real evidence. (iv) new scientific and technical forms of proof: tape recorders, lie detectors, medical tests and photographs etc. Importance of the expert witness.

6. Exclusion of unreliable evidence: (i) best evidence rule; (ii) opinion; (iii) hearsay and its exceptions, including further consideration of *res gestae*.

7. Exclusion of evidence on grounds other than reliability: (i) privilege; (ii) state interest; (iii) judicial control of police investigation; confessions and the Judges' Rules; illegally obtained evidence; (iv) identification evidence.

8. Facts which need not be proved: (i) judicial notice; (ii) formal admissions.

9. Facts which cannot be proved: estoppels, by record, deed and in pais.

Recommended reading TEXTBOOKS: R. Cross, *Evidence*; G. D. Nokes, *An Introduction to Evidence*, may be used in order to become acquainted with the subject; E. Cockle, *Cases and Statutes on Evidence*.

FURTHER READING: J. Bentham, "The Rationale of Judicial Evidence" (*The Works of Jeremy Bentham*, Ed. J. Bowring); Z. Cowen and P. B. Carter, *Essays on the Law of Evidence*; E. M. Morgan, *Some Problems of Proof under*

the Anglo-American System of Litigation; J. F. Stephen, *A Digest of the Law of Evidence*; J. B. Thayer, *A Preliminary Treatise on Evidence at the Common Law*; J. H. Wigmore, *Science of Judicial Proof*; G. L. Williams, *The Proof of Guilt*.

FOR REFERENCE: J. F. Archbold, *Pleading Evidence and Practice in Criminal Cases*; S. L. Phipson, *The Law of Evidence*; J. P. Taylor, *A Treatise on the Law of Evidence*; J. H. Wigmore, *A Treatise of the Anglo-American System of Evidence*.

Students should consult the latest editions of these books.

429 Administrative Law with special reference to Local Government

Professor Griffith. Ten lectures of two hours, Michaelmas Term.

For LL.B. Part II.

Syllabus The nature of local government. The development of local government in England and Wales since 1834. The structure of local authorities. The movement for reform in Greater London and elsewhere. The financing of local government. The local government franchise. The composition of local authorities. The committee system and the position of local government officers. The administrative, legislative and judicial powers and procedures as they affect the housing, town and country planning, and education functions of local authorities. Judicial review of administrative action as it affects local authorities. The criminal, contractual and tortious liability of local authorities. The doctrine of *ultra vires*.

Recommended reading BASIC TEXTBOOKS: W. O. Hart, *Introduction to the Law of Local Government and Administration* (8th edn.); J. A. G. Griffith and H. Street, *Principles of Administrative Law* (4th edn.) and *A Casebook of Administrative Law*. ADDITIONAL READING: W. I. Jennings, *Principles of Local Government Law* (4th edn.); S. A. de Smith, *Judicial Review of Administration Action* (2nd edn.); R. M. Jackson, *The Machinery of Local Government* (2nd edn.); C. A. Cross, *Principles of Local Government Law* (3rd edn.); J. A. G. Griffith, *Central Departments and Local Authorities*; W. A.

Robson, *Local Government in Crisis*; H. W. R. Wade, *Administrative Law* (2nd edn.).

GOVERNMENT PUBLICATIONS: Report of Committee on the Management of Local Government (1967); Report of Committee on the Staffing of Local Government (1967); Report of Royal Commission on Local Government in England (1969); Report of Committee on Administrative Tribunals and Enquiries (Cmnd. 218, 1957).

430 History of English Law

Professor Milsom. Twenty-two lectures, Sessional.

For LL.B. Part II.

Syllabus The history of the following matters from the Conquest to the Judicature Acts; legal institutions and procedures; the profession and legal literature; property, contract, tort and crime.

Recommended reading S. F. C. Milsom, *Historical Foundations of the Common Law*; T. F. T. Plucknett, *Concise History of the Common Law*; G. R. Y. Radcliffe and G. Cross, *The English Legal System*; C. H. S. Fifoot, *History and Sources of the Common Law (Contract and Tort)*; A. W. B. Simpson, *Introduction to the History of the Land Law*.

FOR REFERENCE: F. Pollock and F. W. Maitland, *History of English Law*; W. S. Holdsworth, *History of English Law*; T. F. T. Plucknett, *Early English Legal Literature*.

Students should consult the latest editions of these books.

431 Public International Law

Dr Valentine. Forty lectures, Michaelmas and Lent Terms.

For LL.B. Part II.

Syllabus *International Law in Perspective*: Definition and distinctions; historical, sociological and ethical perspectives; doctrinal controversies; the expansion of international society; the expanding scope of international law.

Foundations of International Law: Formation of International Law; law-

creating processes and law-determining agencies; sources and evidences; principles, rules and standards; international law and municipal law.

International Personality: Subjects of International Law; sovereignty and state equality; recognition; international representation; heads of state; foreign offices; diplomatic relations; consular relations; continuity and discontinuity of international personality.

State Jurisdiction: Territorial jurisdiction; personal jurisdiction; other bases of jurisdiction; limitations of state jurisdiction.

Objects of International Law: Territory; land frontiers; maritime frontiers; the high seas; air space; outer space; individuals and the movement towards a wider recognition of human rights; business enterprises; ships; aircraft; spacecraft.

International Transactions: Treaties and other international agreements; unilateral acts; international responsibility.

International Order and Organization: Pacific settlement of international disputes; legal and illegal uses of force; regulation of armed conflicts; war and neutrality; legal organization of international society; patterns for the development of international law.

Recommended reading PRELIMINARY READING: J. L. Brierly, *The Law of Nations* (6th edn. by H. Waldock). TEXTBOOKS: I. Brownlie, *Principles of International Law*; L. F. L. Oppenheim, *International Law*, Vol. I (8th edn.), Vol. II (7th edn. (Ed.), H. Lauterpacht); G. Schwarzenberger, *International Law as Applied by International Courts and Tribunals*; J. G. Starke, *Introduction to International Law*.

CASEBOOKS AND MATERIALS: H. W. Briggs, *The Law of Nations* (2nd edn.); L. C. Green, *International Law through the Cases* (2nd edn.); L. B. Orfield and E. D. Re, *International Law Cases and Materials* (revised edn.); I. Brownlie, *Basic Documents in International Law*.

FURTHER READING: W. Friedmann, *The Changing Structure of International Law*; H. Lauterpacht, *The Development of International Law by the International Court*; D. P. O'Connell, *International Law*, 2 Vols.; C. Parry, *The Sources and*

Evidences of International Law; G. Schwarzenberger, *The Frontiers of International Law*; D. H. N. Johnson, *Rights in Air Space*; F. Vallat, *International Law and the Practitioner*.

Students should consult the latest editions of these books.

PERIODICALS: *The American Journal of International Law*; *The British Year Book of International Law*; *The International and Comparative Law Quarterly*; *International Organisation*; *Recueil des Cours, Académie de Droit International de la Haye*; *The Year Book of World Affairs*.

432 Conflict of Laws

Mr Lazar and Mr Hartley. Sixty lectures, Michaelmas and Lent Terms.

For LL.B. Part II.

Syllabus Part I: Fundamental Conceptions.

The nature and theories of the conflict of laws. Classification and *renvoi*. Public policy. English statutes and conflict of laws. Domicile. Status of individuals.

Part II: Choice of Law.

Family Law: (a) Husband and wife; validity of marriage; nullity and divorce (including matrimonial jurisdiction of English courts and recognition of foreign decrees); mutual rights of husband and wife.

(b) Parent and child; legitimacy; legitimation; adoption; guardianship; lunacy.

Corporations.

Contracts: The proper law doctrine; formal and essential validity; interpretation; effects and discharge of contracts.

Torts.

Property: Movable and immovable, tangible and intangible; particular assignments of property; effect of marriage on property.

Succession: Validity and construction of wills; distribution of estates on intestacy and under wills; administration of deceaseds' estates; exercise by will of powers of appointment.

Part III: Choice of Jurisdiction.

Jurisdiction of English courts; recognition and enforcement of foreign judgments.

Part IV: Procedure and Proof of Foreign Law.

The study of Conflict of Laws is conducted with regard to the social, economic and political implications of the English law. Reference is also made to general concepts in those of the civil law and other common law systems which are relevant to a proper understanding and evaluation of the principles of the English conflict of laws.

Recommended reading G. C. Cheshire, *Private International Law*; R. H. Graveson, *Conflict of Laws*; J. H. C. Morris, *Cases on Private International Law*; P. R. H. Webb and D. J. L. Brown, *A Casebook on the Conflict of Laws*. REFERENCE: A. V. Dicey and J. H. C. Morris, *Conflict of Laws*; M. Wolff, *Private International Law*.

Students should consult the latest editions of these books.

PERIODICALS: Articles on this subject in *The British Year Book of International Law*; *The Law Quarterly Review*; *The International and Comparative Law Quarterly*; *The Modern Law Review*.

433 The Administration of Estates and Trusts

Dr Stone and Mr Nock. Thirty-five lectures, Michaelmas and Lent Terms.

For LL.B. Part II.

Syllabus The nature and purpose of the office of personal representative and his powers and duties: the administration of assets of solvent and insolvent estates. The nature and purpose of the office of trustee and his powers and duties; the administration of the assets of a trust and methods of variation of the terms of a trust.

The capacity, appointment, retirement, renewal, remuneration and reimbursement of personal representatives and trustees and the control of the court over them.

The remedies of a beneficiary for breach of duty by a personal representative or trustee.

An outline of the law of estate duty, income tax and capital gains tax affecting estates and trusts.

Recommended reading D. Hughes Parry, *The Law of Succession* (from chap. 4);

P. H. Pettit, *Equity and the Law of Trusts* (chaps. 8-12) or D. B. Parker and A. L. Mellows, *The Modern Law of Trusts* (chaps. 9-19); Nathan and Marshall, *A Casebook on Trusts*; Snell's *Principles of Equity* (Part II, chaps. 6-9 Part III); C. N. Beattie, *The Elements of Estate Duty*; C. N. Beattie, *Elements of the Law of Income Tax and Capital Gains Taxation* (chaps. 1, 5, 8 and 17); G. S. A. Wheatcroft (Ed.), *Guide to the Estate Duty Statutes*.

FURTHER READING: *Williams on Executors and Administrators*; J. Philip Lawton, *Tax Planning for the Family Solicitor*; B. Pinson, *Revenue Law* (as relevant); G. B. Graham, *Covenants, Settlements and Taxation*.

Students should consult the latest editions of all books.

434 Mercantile Law: Agency and Sales and Other Dispositions of Goods

Mr Pickering, Mr Dean and Mrs Reid. Forty lectures, Michaelmas and Lent Terms.

For LL.B. Part II.

Syllabus *Agency*. The nature of the principal-agent relationship and the rights and duties of the parties *inter se* and *vis-à-vis* third parties. The scope of the agent's authority. The effect of the Factors Act, 1889, and the termination of agency.

Sales and other dispositions of goods. The nature and special rules relating to sale of goods and hire purchase contracts. C.i.f., f.o.b., and other special forms of international sales. Bills of sale, pledges, bailments, gifts *inter vivos* and *donationes mortis causa*. The effects of bankruptcy and liquidation.

Recommended reading PRELIMINARY: chapters on agency in G. C. Cheshire and C. H. S. Fifoot, *Law of Contract*; chapters on sale of goods, hire purchase, bailments and bankruptcy in T. M. Stevens, *Elements of Mercantile Law* and J. Charlesworth, *Principles of Mercantile Law*; G. Borrie and A. L. Diamond, *The Consumer, Society and the Law*.

TEXTBOOKS: P. S. Atiyah, *The Sale of Goods*; A. L. Diamond, *Introduction to*

Hire Purchase Law; G. H. L. Fridman, *Sale of Goods*; E. R. H. Ivamy, *Casebook on the Sale of Goods*; *Casebook on Mercantile Law*; C. M. Schmitthoff, *The Sale of Goods*; *Legal Aspects of Export Sales* (Institute of Export publication); J. C. Vaines, *Personal Property*; R. Powell *The Law of Agency*; G. H. L. Fridman, *Law of Agency*; S. J. Stoljar, *The Law of Agency*.

REFERENCE: W. Bowstead, *The Law of Agency*; M. D. E. S. Chalmers, *Sale of Goods Act, 1893*; *Final Report of the Committee on Consumer Protection, 1962*, parts I and IV (Cmnd. 1781); R. M. Goode, *Hire-purchase Law and Practice*; A. G. Guest, *The Law of Hire Purchase*; G. W. Paton, *Bailment in the Common Law*; C. M. Schmitthoff, *The Export Trade*.

Students should consult the latest editions of these books.

Copies of the Sale of Goods Act, 1893, the Factors Act, 1889, the Bills of Sale Acts, 1878 and 1882, and the Hire Purchase Acts, 1964 and 1965, will be provided in the examination room.

435 Labour Law

Professor Wedderburn and Mrs Reid. Thirty lectures, Michaelmas and Lent Terms.

For LL.B. Part II.

Syllabus The scope and sources of Labour Law. "Servant", "employee", "employed person", "workman", "independent contractor", "self-employed person". The contract of employment: formation; effect; obligations of employer and employees, express and implied. Termination of the contract and remedies for breach. Public policy and restraint of trade.

Statutes affecting employment: for example in regard to written particulars of terms; payment of wages; minimum remuneration and holidays; notice to terminate; hours of work; special groups of workers such as children, young persons and women; redundancy payments. Outline of the law relating to social security: sickness, unemployment and industrial injuries and disablement benefit.

Collective agreements and their legal framework: their relationship with the contract of employment. Legislation connected with collective bargaining, including statutes on prices and incomes policy. Fair wages clauses. The master's responsibility for the safety of his servant. Negligence and breach of statutory duty. Health, safety and welfare and other conditions of work in factories, shops, mines and transport. The central and local authorities responsible for enforcement. Methods of inspection. Compensation for injured employees. Trades unions: legal structure; government and administration (including expulsion); inter-union relations; political activities.

The legal aspects of trade disputes; strikes and lock-outs. Criminal and civil liability for acts done in connection with industrial conflict. The effect of statute. The impact on trade disputes of social security law.

Conciliation, arbitration, committees and courts of inquiry. Voluntary and statutory machinery. The place of the Ministry of Labour. The influence of the International Labour Office on the development of British Labour Law. **Recommended reading** K. W. Wedderburn, *The Worker and the Law* and *Cases and Materials on Labour Law*; C. Grunfield, *Modern Trade Union Law*; C. Drake, *Labour Law*; W. Mansfield Cooper and J. Wood, *Outlines of Industrial Law*; Report of Royal Commission on Trade Unions and Employers' Associations; U.K. Ministry of Labour, *Evidence to Royal Commission on Trade Unions, 1965*; U.K. Department of Employment and Productivity, *Industrial Relations Handbook*; A. Flanders and H. A. Clegg (Eds.), *The System of Industrial Relations in Great Britain*; O. Kahn-Freund, *Labour Law: Old Traditions and New Developments*; *In Place of Strife—A Policy for Industrial Relations* (Cmnd. 3888, 1969); Conservative Political Centre, *Fair Deal at Work*; A. Flanders, *Trade Unions* (1968 edn.); J. H. Munkman, *Employers' Liability at Common Law*; A. Redgrave, *Factories, Truck and Shop Acts*; N. Citrine, *Trade Union Law*; O. Kahn-Freund (Ed.), *Labour Relations and the Law*; F. R. Batt, *The Law of Master*

and Servant; D. C. L. Potter and D. H. Stansfield, *National Insurance*; *The National Insurance (Industrial Injuries) Act, 1946*; H. Vester and H. A. Cartwright, *Industrial Injuries*, Vols. I and II; E. Jenkins (Ed.), *Digest of Decisions of the Commissioner under the National Insurance Acts*; I. G. Sharp, *Industrial Conciliation and Arbitration in Great Britain*; G. W. Guillebaud, *The Wages Councils System in Great Britain*; E. H. Phelps Brown, *The Growth of British Industrial Relations*; O. Kahn-Freund, "Labour Law" in M. Ginsberg (Ed.), *Law and Opinion in England in the Twentieth Century*; C. Jenkins and J. Mortimer, *British Trade Unions Today*; G. H. L. Fridman, *Modern Law of Employment*. Students should consult the latest editions of these books.

436 Domestic Relations

Dr Stone and Mr S. A. Roberts. Forty lectures, Michaelmas and Lent Terms.

For LL.B. Part II.

Syllabus (a) MARRIAGE. Requirements of a valid marriage. Form of marriage (in outline only). Grounds for nullity. The distinction between void and voidable marriages. Capacity and consent of parties and third persons; consanguinity and affinity. Polygamous marriages. (b) THE EFFECT OF MARRIAGE ON PROPERTY RIGHTS. Common law, equity and statute. Title to and possessory rights in property. Liability in contract and tort. The powers of the Court in respect of alimony, maintenance, periodical payments and variation of settlements. Matrimonial proceedings in the magistrates' courts. Maintenance and consortium. Rights and liabilities of spouses in relation to third parties.

(c) PARENT AND CHILD. The relation of parent and child, including legitimacy, legitimation and adoption. Custody and guardianship; the rights and obligations of parents at common law, in equity and by statute. Rights and obligations in respect of illegitimate children. The intervention of courts and of local authorities under the Children and Young Persons Acts and the Children Acts.

(d) SEPARATION. (i) by agreement; (ii) by order of the court.

(e) DIVORCE. Grounds for divorce. Candidates will not be required to display any knowledge of the details of court procedure.

Recommended reading The latest editions of all books should be used.

PRELIMINARY READING: F. Pollock and F. W. Maitland, *History of English Law before the Time of Edward I*, Vol. II, chaps. 6 and 7; A. V. Dicey, *Lectures on the Relation between Law and Public Opinion in England during the Nineteenth Century*, chap. 11; *Report of the Royal Commission on Marriage and Divorce* (Morton Commission) (Cmd. 9678, 1956); Law Commission reports.

TEXTBOOKS: P. M. Bromley, *Family Law*; J. Jackson, *The Law Relating to the Formation and Annulment of Marriage*; L. Rosen, *Matrimonial Offences with Particular Reference to the Magistrates' Court*; W. Clarke Hall and A. C. L. Morrison, *Law Relating to Children and Young Persons*.

Students should also read articles on recent statutes and court decisions in *The Modern Law Review*, *The Law Quarterly Review* and *The Conveyancer*. REFERENCE BOOKS: W. Rayden, *Practice and Law in the Divorce Division of the High Court and on Appeal Therefrom*; *Report of the Committee on the Care of Children* (Curtis Committee) (Cmd. 6922); C. Foote, R. J. Levy and F. E. A. Sander, *Cases and Materials on Family Law*.

437 The Law of Business Associations

Professor Wedderburn, Dr Leigh and Mr Pickering. Thirty lectures, Michaelmas and Lent Terms.

For LL.B. Part II.

Syllabus Historical development of the trading association: social and legal reasons for the rise of the modern registered company with limited liability. Partnerships: the dominant features of partnership law. Statutory demands for incorporation, and other modern unincorporated commercial groups: the unit trust. The modern registered company:

(a) Constitution; administration; corporate personality; types of company and their function; capacity and *ultra vires*. (b) Flotation; shares and debentures (in outline); protection of investors, creditors and depositors. (c) Shareholders as members; protection of the minority. (d) Directors and management: as agents and "alter ego"; fiduciary and statutory duties; the auditor. (e) Maintenance of capital; reconstructions, mergers and problems of take-overs. Other topics of company law will be touched on only lightly, e.g. details on transfer of securities and priorities; accounts; winding-up. Other business associations (in outline), e.g. industrial and provident societies; friendly societies; public corporations. Functions of different kinds of commercial associations and comparison of their problems, e.g. control of management; relations with employees; impact of the "public interest", state shareholding etc. **Note** Company Law will never account for more than two-thirds of this course. Copies of the Companies Acts, 1948 and 1967 will be provided in the examination room.

Recommended reading L. C. B. Gower, *Modern Company Law*; M. A. Weinberg, *Take-Overs and Amalgamations*; H. A. J. Ford, *Unincorporated Non-Profit Associations*; N. B. Lindley, *Law of Partnership*; or P. F. P. Higgins, *Law of Partnership*; Halsbury, *Laws of England* (on associations not otherwise covered). Further reading will be recommended during the course. Students should consult the latest editions of these books.

438 (i) The Law Relating to Civil Liberties in England and Wales

Mr Evans and Dr Leigh. Ten meetings, Michaelmas Term.

For LL.B. Part II.

Syllabus (1) Freedom of expression; public meetings, public order; state security; obscenity.

(2) Pre-trial criminal procedure; arrest; search and seizure; bail.

Recommended reading O. Hood Phillips, *Constitutional and Administrative Law*

(4th edn.); H. Street, *Freedom, the Individual and the Law*; I. Brownlie, *Law Relating to Public Order*; D. G. T. Williams, *Keeping the Peace*; Emersen, Haber and Dorsen, *Cases and Materials in Civil Liberties*, Vol. I.

Further reading will be given during the course.

438 (ii) Law Relating to the International Protection of Human Rights

Professor D. H. N. Johnson. Ten meetings, Lent Term.

For LL.B. Part II.

Syllabus 1. The evolution, institutional framework and fundamental assumptions of international law. The sources and subjects of international law. The role of nationality. The local remedies rule. 2. The history of humanitarian intervention. Slavery. The protection of minorities and the League of Nations. War crimes, the Genocide Convention, 1948, and the Geneva Conventions, 1949. The Red Cross. The International Labour Organization. Mandates and trust territories. Self-determination. 3. The protection of human rights through the United Nations and specialised agencies. Refugees and stateless persons. 4. Protection of human rights on a regional basis, with particular reference to the Council of Europe and the application of the European Convention for the Protection of Human Rights and Fundamental Freedom.

Recommended Reading A. GENERAL WORKS ON INTERNATIONAL LAW J. L. Brierly, *The Law of Nations* (espec. chap. 6); I. Brownlie, *Principles of Public International Law* (espec. chap. 22); J. E. S. Fawcett, *The Law of Nations* (espec. part 4); D. W. Greig, *International Law* (espec. chap. 14); C. W. Jenks, *A New World of Law?* (espec. chap. 6); G. Schwarzenberger, *A Manual of International Law* (espec. chap. 4 and Study Outlines on 'Human Rights'); J. G. Starke, *Introduction to International Law* (espec. chap. 11).

B. SPECIALIST WORKS ON THE LAW OF HUMAN RIGHTS J. E. S. Fawcett,

The Application of the European Convention on Human Rights; C. W. Jenks, *Human Rights and International Labour Standards*; H. Lauterpacht, *International Law and Human Rights*; A. H. Robertson, *Human Rights in Europe*; A. H. Robertson (Ed.) *Human Rights in National and International Law*; E. Schwelb, *Human Rights and the International Community*.

439 The Law Relating to Sentencing in England and Wales

Mr D. A. Thomas. Ten meetings, Lent Term.

For LL.B. Part II.

Syllabus Theories of the function and limitations of punishment: legislative framework of sentencing; courts and the sentencing process. Principles governing the use of imprisonment and fines. The use of individualised sentences: probation, borstal training, hospital orders. Particular problems in sentencing. Current developments in sentencing: foreign systems.

Recommended reading will be given at the beginning of the course.

440 The Law Relating to Housing in England and Wales

Professor Griffith. Ten lectures, Lent Term.

For LL.B. Part II.

Syllabus Local housing authorities and the Ministry of Housing and Local Government.

The treatment of unfit houses. The individual house. Groups of unfit houses. Clearance and compulsory purchase. The improvement of houses. Provision of housing accommodation by local authorities. Finance of local authority housing.

Recommended reading Housing Acts, 1957, 1964 and 1969; Race Relations Act, 1968; Housing Subsidies Act, 1967; Acquisition of Land (Authorisation Procedure) Act, 1946; Compulsory Purchase Act, 1965; Housing (Slum Clearance Compensation) Act, 1965; W. O. Hart, *Introduction to the Law of Local Government and Admin-*

istration (8th edn., esp. chap. 20); J. B. Cullingworth, *Housing and Local Government*; D. V. Donnison, *The Government of Housing*; J. A. G. Griffith, *Central Departments and Local Authorities*, chap. 4; D. V. Donnison, *Housing Policy since the War*.

441 Law and the "Underprivileged"

Mr Zander. Ten meetings, Michaelmas Term.

For LL.B. Part II.

Syllabus (1) The low-income tenant: (a) private tenants: security of tenure; harassment; rent fixing; repairs and improvements; slum clearance from the slum tenants' point of view; overcrowding (b) local authority tenants: allocation; rents and rent rebates; eviction (2) Consumer credit and the indigent (3) Social security: the legal position of the recipient of social security; entitlement *versus* discretion; challenges to wrongful decisions (4) Procedure: judicial review; the class or representative action; the role of *amicus curiae* and written briefs; the legal profession; and the rules of professional etiquette on legal services for the poor.

Recommended reading Rent Act, 1968; Rent Act, 1965, Part III; Housing Act, 1957; Report of the Milner Holland Committee on *Housing in Greater London* (Cmnd. 2605, 1965); Report of the Cullingworth Committee on *Council Housing Purposes Procedures and Priorities*, 1969; E. Burney, *Housing on Trial*; H. Rose, *The Housing Problem*; Report of the Francis Committee on *Furnished and Unfurnished Housing* (when published); Report of the Crowther Committee on *Consumer Credit* (when published) together with memoranda to the Committee from *inter alia*, the Consumer Council, the Consumers' Association, the Hire Purchase Trade Association, and the Finance Houses Association; D. Caplovitz, *The Poor Pay More*; Social Security Act, 1966; J. Stein, *Protecting the Right to Supplementary Benefits* (when published); D. Marsden, *Mothers Alone*; A. Delafield Smith, *The Right to Life*; S. A. de Smith, *Judicial Review of Administrative Action*

(2nd edn.); W. W. Boulton, *Conduct and Etiquette at the Bar* (4th edn.); T. Lund, *The Professional Conduct and Etiquette of Solicitors*.

BACKGROUND READING: P. Townsend, "On Poverty" (*The British Journal of Sociology*, 1956); P. Townsend, *The Last Refuge* (chaps. 4, 12 and 17); A. Harvey, *Casualties of the Welfare State* (Fabian Tract); R. M. Titmuss, *Commitment to Welfare*; A. B. Atkinson, *Poverty in Britain and the Reform of Social Policy*; J. H. Marshall, *Social Policy*.

**COURSES INTENDED
PRIMARILY FOR B.Sc. (ECON.)
STUDENTS**

442 English Legal Institutions

Mr Zander. Twenty-two lectures, Sessional.

For B.Sc. (Econ.) Part I: alternative subject 5, *English Legal Institutions*.

Syllabus The nature and origins of law. Brief historical outline of English Law and the development of Common Law and Equity. Sources of law; case law and the theory of binding precedent; legislation and statutory interpretation; custom. Reform of the law and codification. The organization of the courts: their jurisdiction and the types of cases with which they deal. Administrative tribunals. Arbitration. Civil and criminal cases, including an outline of evidence and procedure. The personnel of the law including judges, magistrates, juries, barristers and solicitors. Legal aid and advice. Appeals.

Students are not expected to have any knowledge of the substantive rules of law in contract, tort, criminal law or in the other branches of the law.

Recommended reading PRELIMINARY READING: G. L. Williams, *Learning the Law*; P. Archer, *The Queen's Courts*. TEXTBOOKS: R. M. Jackson, *The Machinery of Justice in England*.

FURTHER READING: C. K. Allen, *Law in the Making*; A. T. Denning, *Freedom under the Law*; *The Changing Law*; *The Road to Justice*; P. A. Devlin, *The Criminal Prosecution in England*; *Trial by*

Jury; *Samples of Lawmaking: The Enforcement of Morals*; G. L. Williams, *The Proof of Guilt*; R. E. Megarry, *Lawyer and Litigant in England*; B. Abel-Smith and R. B. Stevens, *In Search of Justice*. Students should consult the latest editions of these books.

443 Elements of Commercial Law

A: Contract

Mr J. W. Harris. Ten lectures, Michaelmas Term.

For B.Sc. (Econ.) Part II: *Commercial Law*, I 3f; III 3f; IV 6, 7 and 8f; V 5; *Elements of Labour Law*, IV 6, 7 and 8j (second year).

Syllabus

1. Formation of a valid contract: intention to create legal relations, offer and acceptance, legal basis of standard contracts, consideration, capacity, form, misrepresentation, mistake, duress, undue influence, illegality (restraint of trade).
2. Content: implied term, control of exemption clauses.
3. Privity: exceptions to the doctrine.
4. Discharge: performance, variation, breach, frustration.
5. Remedies for breach of contract: repudiation, damages, specific performance, injunction. Limitation of action.

Note Candidates will be supplied in the examination room with copies of the Misrepresentation Act, 1967.

Recommended reading Relevant chapters in J. Charlesworth, *The Principles of Mercantile Law*; or T. M. Stevens, *Elements of Mercantile Law*; P. S. Atiyah, *Introduction to the Law of Contract*.

FOR REFERENCE: J. C. Smith and J. A. C. Thomas, *A Casebook on Contract*; G. C. Cheshire and C. H. S. Fifoot, *The Law of Contract*.

Students should always use the latest editions of the above books.

444 Elements of Commercial Law

B: Partnership and Company Law

Dr Leigh. Ten lectures, Lent Term.

For B.Sc. (Econ.) Part II: *Commercial Law*, I 3f; III 3f; IV 6, 7 and 8f; V 5 (second year).

Syllabus The nature and advantages of corporate personality and the distinction between companies incorporated under the Companies Act, and partnerships, and limited partnerships. The law as codified in the Partnership Act, 1890. Proceedings against partners and proof of partnership and separate debts in bankruptcy. Companies registered under the Companies Act, 1948. Formation and flotation. *Ultra vires*. Raising and maintenance of capital and dividends. Agents and organs of the company and the rule in *Royal British Bank v. Turquand*. Shares and debentures. Charges on the company's property. Publicity; annual returns, accounts, and audit. Meetings and resolutions. The duties of directors and problems of enforcement. Protection of the minority and their remedies. Reconstructions, amalgamations and winding-up (in outline only).

Note Candidates will be supplied in the examination room with copies of the Partnership Act, 1890 and the Companies Acts, 1948 and 1967.

Recommended reading A. Underhill, *Principles of the Law of Partnership*; F. Pollock, *A Digest of the Law of Partnership*; J. A. Hornby, *An Introduction to Company Law*; L. C. B. Gower, *The Principles of Modern Company Law*; J. Charlesworth, *Company Law*.

FOR REFERENCE: R. R. Pennington, *The Principles of Company Law*. Students should consult the latest editions of these books.

445 Elements of Commercial Law

C: Consumer Protection

Mr Pickering. Ten lectures, Michaelmas Term.

For B.Sc. (Econ.) Part II: *Commercial Law*, IV 6, 7 and 8f; optional for I 3f; III 3f (third year). (Students specialising in Economics, Analytical and Descriptive or in Monetary Economics should take either this course or Course No. 446.)

Syllabus The nature of contracts for the sale of goods and hire-purchase and special rules relating to such contracts. The exclusion of terms implied by legislation. The remedies of parties involved in sale and hire-purchase

transactions, and restrictions upon their exercise. An outline of the law relating to weights and measures, merchandise marks, manufacturers' liabilities, advertising and sales practices.

Note Candidates will be supplied in the examination room with copies of the Sale of Goods Act, 1893 and the Hire Purchase Acts of 1964 and 1965.

Recommended reading G. J. Borrie and A. L. Diamond, *The Consumer, Society and the Law*; P. S. Atiyah, *The Sale of Goods*; A. L. Diamond, *Introduction to Hire-Purchase Law*; T. M. Stevens, *Elements of Mercantile Law*; J. Charlesworth, *Principles of Mercantile Law*; G. J. Borrie, *A Source Book of Commercial Law*.

FOR REFERENCE: Final Report of the Committee on Consumer Protection 1962 (Cmd. 1781); E. R. H. Ivamy, *Casebook on the Sale of Goods*; *Casebook on Mercantile Law*; C. M. Schmitthoff, *The Sale of Goods*; G. H. L. Fridman, *Sale of Goods*.

Students should consult the latest editions of these books.

446 Elements of Commercial Law

D: Income and Capital Taxation

of Individuals and Corporations

Mrs Manduke Curtis. Twelve lectures, Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II: *Commercial Law*, V 5. Optional for I 3f; III 3f (third year). Students specializing in Economics, Analytical and Descriptive or in Monetary Economics should take either this course or Course No. 445.

Syllabus General outline of Income Tax and Surtax, Corporation Tax and Capital Gains Tax; the basis of taxation of individuals and of companies; the Schedules and their effect with particular reference to Cases I, II and VII of Schedule D and Schedules E and F.

Recommended reading A. R. Prest, *Public Finance*, H. A. R. J. Wilson and K. S. Carmichael, *Income Tax Principles* or C. N. Beattie, *The Elements of Income Tax* or B. Pinson, *Revenue Law*.

FOR REFERENCE: E. E. Spicer and E. C. Pegler, *Income Tax and Profits Tax*; G. S. A. Wheatcroft, *The Law of Income Tax, Surtax and Profits Tax*; *British Tax Encyclopedia*; Butterworth's *Income Tax Handbook*; current articles in *Taxation* and the *British Tax Review*. Students should consult the latest editions of these books.

447 Elements of Labour Law

Mr R. M. Lewis. Thirty lectures, Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II: *Labour*, including *Elements of Labour Law*, IV 6, 7 and 8e (third year); Dip. Personnel Management.

Syllabus 1. Collective labour relations:

a Trade unions: legal structure; government and administration (including expulsion); inter-union relations; political activities.

b Collective bargaining: strikes and other forms of industrial action; traditional role of Government (conciliation, arbitration, fact-finding); legal effect and enforcement of collective agreements; extension of representative collective agreements (Fair Wages Resolution, fair wages legislation, Terms and Conditions of Employment Act, 1959); substitute machinery for collective bargaining (minimum wages legislation).

c Collective bargaining and the national prices and incomes policy: voluntary and compulsory early warning and control systems; National Board for Prices and Incomes.

2. Individual labour relations:

a Nature of the contract of employment: structure; employment, a voluntary relationship; servant and independent contractor, employed and self-employed persons.

b Wages: Factories Act "Particulars"; checkweighing; non-disciplinary deductions.

c Hours and holidays with pay: women and young persons, children and adult male workers.

d Sickness: common law rights; sickness benefits.

e Disciplinary powers of management: common law duties of employees; employers' sanctions.

f Termination of employment: the new law of redundancy; unemployment benefit.

g Safety and health:

(i) common law duties; common law action for damages;

(ii) principal statutory duties; criminal and administrative sanctions; common law action for damages;

(iii) industrial injury and disablement benefit.

Recommended reading C. Drake, *Labour Law*; C. Grunfeld, *Modern Trade Union Law*; K. W. Wedderburn, *The Worker and the Law*; *Cases and Materials on Labour Law*; Report of Royal Commission on Trade Unions and Employers' Associations; D.E.P., *Guide to Redundancy Payments Act 1965* (revised edn.); O. Kahn-Freund, "Legal Framework" in A. Flanders and H. A. Clegg (Eds.), *The System of Industrial Relations in Great Britain*; O. Kahn-Freund, "Labour Law" in M. Ginsberg (Ed.), *Law and Opinion in England in the Twentieth Century*; O. Kahn-Freund, *Labour Law: Old Traditions and New Developments*; U.K. Ministry of Labour, *Industrial Relations Handbook and Written and Oral Evidence to the Royal Commission on Trade Unions and Employers' Associations*; FOR REFERENCE: W. Mansfield Cooper, *Outlines of Industrial Law*; N. Citrine, *Trade Union Law*; H. Samuels, *Trade Union Law*; F. R. Batt, *The Law of Master and Servant*; A. Redgrave, *Factories, Truck and Shops Acts*; J. H. Munkman, *Employers' Liability at Common Law*; O. Kahn-Freund (Ed.), *Labour Relations and the Law*; D. C. L. Potter and D. H. Stansfield, *National Insurance* (Introduction) and *National Insurance (Industrial Injuries) Act* (Introduction); *Written and Oral Evidence to the Royal Commission of C.B.I. and T.U.C.*

Students should consult the latest editions of these books.

448 Constitutional and Administrative Law

Dr Leigh, Mr D. A. Thomas and Mr Hartley. Thirty lectures, Sessional.

For B.Sc. (Econ.) Part II: *Constitutional and Administrative Law*, III 3e; VIII 3b (second year).

Syllabus The nature of constitutional law.

Sources and characteristics of British constitutional law. Parliamentary sovereignty. Constitutional conventions. The rule of law.

Parliament: its position, functions and powers. Parliamentary privilege and procedure. Control over national finance. The monarchy. The royal prerogative. The Privy Council and the Cabinet. Ministerial responsibility. The civil service. The constitutional position of the judges. The nature of administrative law. The legislative, executive and judicial powers of the Administration. Delegated legislation. Administrative adjudication. Judicial and other controls over the powers of the Administration. The principles of Crown liability.

The structure and financing of local government. The liability of local authorities.

The nature and constitution of public corporations. Relations with Ministers and Parliament. Powers, duties, liabilities and privileges. Consumer bodies.

The liberties of the subject. Emergency powers. Military and martial law.

The Commonwealth. Status of colonies, protectorates, trust territories and independent members of the Commonwealth. Relations of Commonwealth countries with the Crown and the United Kingdom. Allegiance and citizenship in the Commonwealth. The Judicial Committee of the Privy Council.

Recommended reading TEXTBOOKS: O. Hood Phillips, *Constitutional and Administrative Law* or E. C. S. Wade and G. G. Phillips, *Constitutional Law*; J. A. G. Griffith and H. Street, *Principles of Administrative Law*; W. I. Jennings, *The Law and the Constitution*; W. I. Jennings, *Principles of Local Government Law*; D. L. Keir and F. H. Lawson, *Cases in Constitutional Law*; O. Hood Phillips, *Leading Cases in Constitutional Law*;

G. Wilson, *Cases and Materials on Constitutional and Administrative Law*.

FURTHER READING AND REFERENCE:

R. F. V. Heuston, *Essays in Constitutional Law*; A. V. Dicey, *Introduction to the Study of the Law of the Constitution*; W. I. Jennings, *Cabinet Government*; H. W. R. Wade, *Administrative Law*; J. F. Garner, *Administrative Law*; D. C. M. Yardley, *A Source Book of English Administrative Law*; W. I. Jennings, *Parliament*; W. I. Jennings, *Constitutional Laws of the Commonwealth*, Vol. I (chaps. 1-3); W. A. Robson, *Justice and Administrative Law*; S. A. de Smith, *Judicial Review of Administrative Action*; S. A. de Smith, *The New Commonwealth and its Constitutions*; C. K. Allen, *Law and Orders*; C. K. Allen, *Administrative Jurisdiction*; C. T. Carr, *Concerning English Administrative Law*; G. Marshall and G. C. Moodie, *Some Problems of the Constitution*; G. L. Williams, *Crown Proceedings*; H. Street, *Governmental Liability*; W. O. Hart, *Introduction to the Law of Local Government and Administration*; C. A. Cross, *Principles of Local Government Law*; C. J. Hamson, *Executive Discretion and Judicial Control*; I. Zamir, *The Declaratory Judgment*; A. Rubinstein, *Jurisdiction and Illegality*; D. G. T. Williams, *Keeping the Peace*; H. Street, *Freedom, the Individual and the Law*; J. D. B. Mitchell, *Constitutional Law*; J. A. G. Griffith and H. Street, *A Casebook of Administrative Law*; H. Street, *Justice in the Welfare State*; Report of the Committee on Ministers' Powers (Cmd. 4060, 1932); Report of the Committee on Administrative Tribunals and Enquiries (Cmd. 218, 1957).

Students should consult the latest editions of these books.

PERIODICALS: Articles relevant to this subject appear regularly in *Public Law* and from time to time in *The Modern Law Review* and other legal periodicals.

449 International Law

Professor D. H. N. Johnson. Twenty lectures, Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part I: alternative subject 14, *International Law*; B.Sc.

Law

(Econ.) Part II: *International Law*, XII 3b and 8e; XIV 3c (third year); M.Sc.: *International Politics*, XI 1.

Syllabus *International Law in Perspective*: definition and distinctions; historical, sociological and ethical perspectives; doctrinal controversies; the expansion of international society; the expanding scope of international law.

Foundations of International Law: formation of international law; law-creating processes and law-determining agencies; sources and evidences; principles, rules and standards; international law and municipal law. **International Personality**: subjects of international law; sovereignty and state equality; recognition; international representation; heads of state; foreign offices; diplomatic relations; consular relations; continuity and discontinuity of international personality.

State Jurisdiction: territorial jurisdiction; personal jurisdiction; other bases of jurisdiction; limitations of state jurisdiction.

Objects of International Law: territory; land frontiers; maritime frontiers; the high seas; airspace; outer space; individuals and the movement towards a wider recognition of human rights; business enterprises; ships; aircraft; spacecraft.

International Transactions: treaties and other international agreements; unilateral acts; international responsibility.

International Order and Organization: pacific settlement of international disputes; legal and illegal uses of force; regulation of armed conflicts; war and neutrality; legal organization of international society; patterns for the development of international law.

Recommended reading TEXTBOOKS: J. L. Brierly, *The Law of Nations* (6th edn.); G. Schwarzenberger, *A Manual of International Law* (5th edn.).

BOOKS OF MATERIALS: L. Brownlie, *Basic Documents in International Law*; L. C. Green, *International Law through the Cases* (2nd edn.).

FURTHER READING: J. E. S. Fawcett, *The Law of Nations*; W. Friedmann, *The Changing Structure of International Law*; L. Henkin, *How Nations Behave*; C. W. Jenks, *A New World of Law?*; J. G.

Starke, *Introduction to International Law* (6th edn.).

PERIODICALS: *The American Journal of International Law*; *The British Year Book of International Law*; *The International and Comparative Law Quarterly*; *International Organisation*; *International Relations*; *The Year Book of World Affairs*.

450 Soviet Law

Dr Lapenna. Ten lectures, Lent Term.

For B.Sc. (Econ.) Part II: *The Politics and Government of a Foreign or Commonwealth Country*, VIII 8c (third year); graduate students of Law and others interested.

Syllabus Soviet interpretations of the Marxist doctrine of state and law. Unity of the legal system and the position of public international law. Fundamental notions of civil law. Family law. Inheritance. Criminal law. "Socialist" legality. Organs of the judiciary. Criminal procedure. Civil procedure.

Recommended reading TEXTBOOKS: H. J. Berman, *Soviet Criminal Law and Procedure*; V. Gsovski and K. Grzybovski, *Government, Law and Courts in the Soviet Union and Eastern Europe*, Parts II-V; K. Grzybovski, *Soviet Legal Institutions*; J. N. Hazard, *Settling Disputes in Soviet Society*; E. L. Johnson, *An Introduction to the Soviet Legal System*; H. Kelsen, *The Communist Theory of Law*; A. Kiralfy, *The Russian Civil Code*; I. Lapenna, *State and Law: Soviet and Yugoslav Theory*; I. Lapenna, *Soviet Penal Policy*; P. S. Romashkin, *Fundamentals of Soviet Law*; Z. Szirmai (Ed.), *Law in Eastern Europe*, Nos. 1, 3 and 9.

CASEBOOKS: J. N. Hazard and M. L. Weisberg, *Cases and Readings on Soviet Law*; H. J. Berman (Ed.), *Soviet Statutes and Decisions*.

Students should consult the latest editions of these books. Further reading will be given at the beginning of the course.

Law

451 Introduction to Comparative Law

Mr Lazar. Ten lectures, Lent Term.

For LL.B. Part II and for graduate law students. Others will be admitted only by permission of Mr Lazar.

Syllabus A discussion of some of the problems arising from the comparison of "common law" and of "civil law" systems. Although there will be occasional references to other legal systems the course will be mainly concerned with English, American, French and German law. It will include the following topics: the purpose and method of studying "comparative law". Sources of international misunderstandings between lawyers. Meaning of the antithesis of "common" and "civil" law. Significance of Roman law. Codified law versus case law. Systematic versus casuistic thinking. University-made law versus "guild law". The contrast of public and private law and its fundamental importance. "Separation of powers" and "séparation des pouvoirs". The role of the courts in law-making. Statutory interpretation. Principle of precedent. Constitutional review. "General clauses" and Equity. "Freedom of contract" versus protection of workers and consumers. Influence of technical development on delictual liability. Publicity of property transactions. The meaning of "commercial law".

Recommended reading H. C. Gutteridge, *Comparative Law* (2nd edn.); R. B. Schlesinger, *Comparative Law, Cases and*

Materials (2nd edn.); R. C. K. Ensor, *Courts and Judges in France, Germany and England*; R. David, *Traité Élémentaire de Droit Civil Comparé*; R. David and H. P. de Vries, *The French Legal System*; *Manual of German Law* edited by British Foreign Office (2 Vols.); C. J. Hamson and T. F. T. Plucknett, *The English Trial and Comparative Law*; C. J. Hamson, *Executive Discretion and Judicial Control: an Aspect of the French Conseil d'Etat*; F. H. Lawson, *A Common Lawyer looks at the Civil Law*; F. W. Maitland, "Trust and Corporation" and "The Corporation Sole" in *Selected Essays*; A. T. Von Mehren, *The Civil Law System, Cases and Materials*.

FOR REFERENCE: P. Arminjon, B. Nolde and M. Wolff, *Traité de Droit Comparé* (3 Vols.); W. W. Buckland and A. D. McNair, *Roman Law and Common Law* (2nd edn.); S. Galeotti, *The Judicial Control of Public Authorities in England and in Italy*; F. H. Lawson, *Negligence in the Civil Law*; D. Lloyd, *Public Policy*; M. Rheinstein (Ed.), *Max Weber on Law in Economy and Society*; J. D. B. Mitchell, *The Contracts of Public Authorities*; K. Renner, *The Institutions of Private Law and their Social Functions*; B. Schwartz (Ed.), *The Code Napoléon and the Common-law World*; M. A. Sieghart, *Government by Decree*; H. Street, *Government Liability, A Comparative Study*; C. Szladits, *Guide to Foreign Legal Materials (French, German, Swiss)*.

Students should consult *The International and Comparative Law Quarterly* and *The American Journal of Comparative Law*.

The following classes will be held for LL.B. and B.Sc. (Econ.) students of the School only.

Subject	Degrees for which classes are intended
416(a) English Legal System	LL.B. Intermediate
417(a) Public Law I	LL.B. Intermediate
418(a) Law of Contract I	LL.B. Intermediate
419(a) Law of Tort I	LL.B. Intermediate
420(a) Law of Property I	LL.B. Intermediate
421(a) Criminal Law	LL.B. Part I
423(a) Law of Contract and Tort II	LL.B. Part I
424(a) Law of Property II	LL.B. Part I

<i>Subject</i>	<i>Degrees for which classes are intended</i>
425(a) Public Law II	LL.B. Part I
427(a) Jurisprudence	LL.B. Part II
428(a) Law of Evidence	LL.B. Part II
429(a) Administrative Law with special reference to Local Government	LL.B. Part II
430(a) History of English Law	LL.B. Part II
431(a) Public International Law	LL.B. Part II
432(a) Conflict of Laws	LL.B. Part II
433(a) The Administration of Estates and Trusts	LL.B. Part II
434(a) Mercantile Law	LL.B. Part II
435(a) Labour Law	LL.B. Part II
436(a) Domestic Relations	LL.B. Part II
437(a) Law of Business Associations	LL.B. Part II
442(a) English Legal Institutions	B.Sc. (Econ.) Part I
443(a) Elements of Commercial Law: Contract	B.Sc. (Econ.) Part II
444(a) Elements of Commercial Law: Partnership and Company Law	B.Sc. (Econ.) Part II
445(a) Elements of Commercial Law: Consumer Protection	B.Sc. (Econ.) Part II
446(a) Elements of Commercial Law: Taxation	B.Sc. (Econ.) Part II
447(a) Elements of Labour Law	B.Sc. (Econ.) Part II
448(a) Constitutional and Administrative Law	B.Sc. (Econ.) Part II
449(a) International Law	B.Sc. (Econ.) Parts I and II
452 African Law	LL.B. Part II

SEMINARS FOR THE LL.M. DEGREE, GIVEN WHOLLY OR PARTLY BY TEACHERS OF THE SCHOOL

453 Legal History

Professor Milsom and Mr Birks (U.C.).

Syllabus English legal history generally (as in the LL.B. examination) with special reference to its bearing upon the following topics in the prescribed period. The period prescribed until further notice is 1216-1327.

The main movements of legal thought. Characteristics of mediaeval law. Influence of civil, canon and mercantile law. Legislation. Case law, local customs. Principal sources of legal history (records, year books, treatises).

The courts of law (including parliament). Local courts. The judiciary and the legal profession.

The forms of action and the outline of procedure and pleading. Battle. Wager of law. The jury. Real property. Common law estates. Conveyances and their effects. Feudalism. Seisin. Inheritance. Personal property. Ownership and possession.

Contract at common law and in law merchant. Ecclesiastical competition. Tort. Trespass. Defamation and its relation to ecclesiastical jurisdiction. Criminal law (treason, felonies, misdemeanours). Appeals, indictments, pardons, forfeiture and escheat. Law merchant (its sources, nature and the institutions administering it).

Recommended reading General introductions are T. F. T. Plucknett, *Concise*

History of the Common Law and S. F. C. Milsom, *Historical Foundations of the Common Law*. The most detailed study of most of the period, and to be used as a basic text-book, is F. Pollock and F. W. Maitland, *History of English Law* (2nd edn. 1898) reissued with new introduction and bibliography in 1968.

Reference should also be made to the following: W. S. Holdsworth, *History of English Law*; T. F. T. Plucknett, *Legislation of Edward I*; *Early English Legal Literature*; *Edward I and Criminal Law*; J. B. Ames, *Lectures on Legal History*; C. H. S. Fifoot, *History and Sources of the Common Law*; A. W. B. Simpson, *Introduction to the History of the Land Law*; J. B. Thayer, *Preliminary Treatise on Evidence at the Common Law*.

Students should consult the latest editions of these books.

Copious original materials are in print, in the publications of the Selden Society and elsewhere, and students should familiarise themselves with the nature of plea rolls, year books, formularies, and of the principal treatises. Attention is drawn to the edition of *Glanvill* by G. D. G. Hall and to the edition of *Bracton* now in course of publication by S. E. Thorne. The publications of the Selden Society and the Ames Foundation and the "Rolls Series" of year books frequently contain introductions of great value and those falling within the special period should be studied. Articles and reviews in *The Law Quarterly Review* and *The English Historical Review* should be consulted.

454 Comparative Constitutional Law I

(The Constitutions of the United States, Canada and Australia)
Dr Leigh, Mr D. A. Thomas and Mr Chesterman (K.C.)

Syllabus I General principles of federalism and the constitutional structures of the United States, Canada, and Australia (in outline). The influence of the imperial structure and the American example in the case of Canada and Australia.

II Governmental institutions and the federal principle. First and second

chambers. Parliamentary and congressional government and the representation and rights of states and provinces. The federal executive and regional representation. The influence of conventions of the constitution.

III The judicial structure and the federal principle: the United States contrasted with Canada and Australia. Arguments for and against the several judicial systems.

IV The doctrine of the separation of powers: the United States and Australia contrasted with Canada; definition of the powers; delegation of legislative powers.

V General principles governing the allocation of legislative powers. Doctrine of implied immunity of instrumentalities. Doctrine of inconsistency. The judicial function in constitutional cases: advisory opinions, political questions.

VI The regulation of trade and commerce. Freedom of trade within the three federal systems; the effect of other specific powers in the regulation of trade and commerce.

VII Finance. The allocation of taxing powers. The spending power of the federal governments; intergovernmental grants; the machinery of fiscal allocation in the three systems.

VIII External affairs: the powers to enter into and implement external obligations. Relations between the states and provinces and foreign governments, and between the federal government and foreign governments.

IX Aspects of the constitutional protection of fundamental rights and the rights of minorities. The effect of a Bill of rights on federal-state relationships.

Note Candidates will not be required to display knowledge of constitutional developments which have occurred within the six months preceding the date of the examination.

Recommended reading TEXTBOOKS AND CASEBOOKS: G. Sawyer, *Modern Federalism*; M. Forkosch, *Constitutional Law*; N. T. Dowling and G. Gunther, *Cases and Materials on Constitutional Law*, or W. B. Lockhart, Y. Kamisar, J. Choper, *The American Constitution: Cases and Materials*; C. Howard, *Australian Federal Constitutional Law*; G. Sawyer, *Cases on the Constitution of the Commonwealth of*

Australia; B. Laskin, *Canadian Constitutional Law*.

FOR REFERENCE: V. S. Mackinnon, *Comparative Federalism*; L. W. Levy, *Judicial Review and the Supreme Court*; P. Freund, *On Law and Justice*; C. E. Hughes, *The Supreme Court of the United States*; R. McCloskey, *The Supreme Court*; W. R. Lederman, *The Courts and the Canadian Constitution*; J. P. Meekison, *Canadian Federation, Myth or Reality?*; G. Sawyer, *Australian Federalism in the Courts*; W. A. Wynes, *Legislative, Executive and Judicial Powers in Australia*; Z. Cowen, *Federal Jurisdiction in Australia*; J. A. Maxwell, *Commonwealth-State Financial Relations in Australia*; G. Doeker, *The Treaty Making Power in the Commonwealth of Australia*; A. Smith, *The Commerce Power in Canada and the United States*. Students should consult the latest editions of these books.

455 Company Law

Professor Wedderburn and Mr Pickering.

Syllabus Meaning of corporate personality and distinction between incorporated and unincorporated associations. The nature, types and functions of companies. Historical development of the modern business company. The consequences of incorporation and its practical advantages and disadvantages. The corporate entity principle and exceptions to it. The *ultra vires* doctrine and the concept of capital. The company's organs and agents and the liability of the company for their acts. Formation and flotation of companies. The nature and classification of company securities. Shares and debentures. Publicity. Meetings and resolutions. Powers of the general meeting. Minority protection. The duties of directors and of the controlling majority and the enforcement of these duties. Reconstructions and amalgamations. Liquidation (in outline only).

Recommended reading J. A. Hornby, *An Introduction to Company Law*; L. C. B. Gower, *The Principles of Modern Company Law*; *Report of the Company Law Committee* (Jenkins Report) (Cmd.

1749); J. Charlesworth, *Company Law*.

FURTHER READING AND REFERENCE:

R. R. Formoy, *The Historical Foundations of Modern Company Law*; M. A. Weinberg, *Takeovers and Amalgamations*; C. A. Cooke, *Corporation Trust and Company*; R. R. Pennington, *The Principles of Company Law*; F. B. Palmer, *Company Law*; D. B. Buckley, *On the Companies Acts*; Earl of Halsbury, *Laws of England* (Simonds Ed.) Vol. 6; A. A. Berle and G. C. Means, *The Modern Corporation and Private Property*; L. Loss, *Securities Regulation*; Minutes of Evidence taken before the Company Law Committee (1961, H.M.S.O.), Vols. 1-20; *Report of the Committee on Company Law Amendment* (Cohen Report) (Cmd. 6659); K. W. Wedderburn, *Company Law Reform*; M. Fogarty, *Company and Corporation: One Law?*; H. A. J. Ford, *Unincorporated Non-Profit Associations*; K. W. Wedderburn, *Rule in Foss v. Harbottle and Shareholders' Rights* (1957) C.L.J. 194, and (1958) C.L.J. 93 and (1965) 28 M.L.R. 347; L. Loss, *Protection of Investors* (1963) 80 S.A.L.J. 53 and 219; A. L. Diamond, *Protection of Depositors Act, 1963* (1963) 26 M.L.R. 680; H. A. J. Ford, *Unit Trusts* (1960) 23 M.L.R. 129; R. R. Pennington, *Genesis of the Floating Charge* (1960) 23 M.L.R. 630; R. Instone, *Archaeology of the Companies Acts* (1962) 25 M.L.R. 406; K. W. Wedderburn, *Oppression of Minority* (1966) 29 M.L.R. 321; J. D. Campbell, *Contracts with Companies* (1959) 75 L.Q.R. 469; M. Pickering, *Shareholders' Rights and Company Control* (1965) 81 L.Q.R. 248; B. H. McPherson, *Winding Up on the "Just and Equitable" Ground* (1964) 27 M.L.R. 282; A. Boyle, *Minority Shareholders in the Nineteenth Century* (1965) 28 M.L.R. 317; K. W. Wedderburn, *Corporate Personality and Social Policy: the Quasi-Corporation* (1965) 28 M.L.R. 62; *The Death of Ultra Vires* (1966) 29 M.L.R. 673; *Shareholders' Control of Directors' Powers* (1967) 30 M.L.R. 77. Students should consult the latest editions of these books.

Note The subject demands some previous knowledge of English Law, especially Contract, Agency and Trusts. Candidates

will be supplied in the examination room with Queen's Printer copies of the Companies Act, 1948.

456 The Law of Personal Taxation

Mr Lazar.

Syllabus The general structure and administration of Income Tax, Surtax and Capital Gains Tax and the rules as to residence and ordinary residence of individuals and trustees for tax purposes. The definition, ascertainment and computation of income for tax purposes (excluding Cases I and II of Schedule D and Case V in relation to business profits) and the deductions and allowances (excluding capital allowances and loss relief) which may be set against income. The rules for applying Income Tax and Surtax to individuals, the reliefs accorded to individuals (double tax relief in outline only) and the tax treatment of married women. The rules for applying Income Tax and Surtax to income from trusts and estates.

The provisions relating to Income Tax and Surtax in respect of pensions and pension contributions (S.388 scheme in outline only).

The definition, ascertainment and computation of chargeable gains and losses for Capital Gains Tax and the rules for applying Capital Gains Tax to individuals, estates and trusts.

Recommended reading will be given during the course.

457 The Law of Business Taxation

Mr Pickering.

Syllabus The general structure and administration of Income Tax, Surtax, Capital Gains Tax and Corporation Tax: the rules as to residence of companies and partnerships, for tax purposes. The definition, ascertainment and computation of income under Cases I and II of Schedule D and Case V in relation to business profits and the deductions and allowances (including capital allowances and loss relief) which may be set against such income. The definition, ascertainment

and computation of other types of income (in outline only).

The definition, ascertainment and computation of capital gains (in outline) and the special provisions of capital gains tax relating to business assets.

The rules for applying Income Tax, Surtax and Capital Gains Tax to partnerships and sole traders and for applying Corporation Tax to companies. The provisions of Schedule F in relation to companies.

The tax treatment of close companies, groups of companies, reconstructions, amalgamations and the problems raised by legislation relating to dividend stripping and transactions in securities.

Recommended reading will be given during the course.

Candidates will be supplied in the examination room with copies of Butterworth's *Income Tax Handbook* (edition current on 1 January of the year in which the examination is held).

458 The Law of Restitution

Professor Cornish and Mr Evans.

Syllabus The general principles of the law of restitution, including: theoretical basis; personal and proprietary claims.

Acquisition of benefit from plaintiff: mistake; compulsion; necessity; ineffective transactions. Acquisition of benefit from third party: attornment; subrogation and related rights; intervention without right; improperly paid beneficiaries etc.; voidable preferences and dispositions in fraud of creditors; imperfect gifts.

Acquisition of benefit through a wrongful act: waiver of tort; crime; breach of fiduciary relationship. Defences to restitutionary claims.

Recommended reading R. L. A. Goff and G. H. Jones, *The Law of Restitution*; S. J. Stoljar, *The Law of Quasi-Contracts*; American Law Institute, *Restatement of Restitution*; R. M. Jackson, *History of Quasi-Contract*; P. H. Winfield, *Province and Function of the Law of Tort*; P. H. Winfield, *Law of Quasi-Contract*; D. W. M. Waters, *The Constructive Trust*. Students should consult the latest editions of these books.

459 Monopoly, Competition and the Law

Professor Yamey and others.

Syllabus The Common Law. The Restrictive Trade Practices Act, 1956, Part I: registration, enforcement and avoidance; the criteria of the public interest; the justiciability of the issues before the Restrictive Practices Court; analysis of the main decisions of the Court.

The Monopolies Commission: single-firm monopolies; control of mergers; the problem of non-collusive oligopoly; an analysis of selected reports of the Commission.

Resale price maintenance: the enforcement of resale price maintenance under the Act of 1956; the control of resale price maintenance under the Resale Prices Act, 1964.

Recommended reading J. Lever, *The Law of Restrictive Trade Practices and Resale Price Maintenance*; A. Hunter, *Competition and the Law*; R. B. Stevens and B. S. Yamey, *The Restrictive Practices Court; The Judicial Process and Economic Policy*; B. S. Yamey (Ed.), *Resale Price Maintenance*, especially chaps. 1 and 8. Candidates will be supplied at the examination with Queen's Printer copies of the *Monopolies and Restrictive Practices (Inquiry and Control) Act, 1948*, the *Restrictive Trade Practices Acts, 1956 and 1968*, the *Resale Prices Act, 1964* and the *Monopolies and Mergers Act, 1965*. Further references will be given at the beginning of the course, including references to legal developments in the United States of America and the Common Market.

460 The Principles of Civil Litigation

Master Jacob and Mr Zander.

Syllabus The general principles and practice of civil litigation, including: the organization, jurisdiction and functions of the various Courts and Tribunals and of the legal profession. The remedies afforded by civil proceedings (both interlocutory and final) including enforcement of judgments and orders.

The procedures adopted in the High Court and in the County Court in ascertaining and dealing with disputed issues, in preparation for trial, in the trial and post-trial assessments of damages or other consequential relief; the system and right of appeal and the procedure on appeal; the extent to which these procedures enable the courts to arrive at correct and reasonably speedy decisions both on facts and substantive law (knowledge of the law of evidence will not be required, except so far as it affects general procedure).

The organization and function of Tribunals (in outline only) and the general procedures adopted by Tribunals and arbitrators; comparisons will be made between these procedures and those adopted by the Courts.

The social and economic effects and value of the present system of civil litigation; including some comparison with one or more selected foreign systems.

Recommended reading W. B. Odgers, *Pleading and Practice*; R. M. Jackson, *The Machinery of Justice in England*; B. Cardozo, *The Nature of the Judicial Process*; P. A. Devlin, *Trial by Jury*; C. P. Harvey, *The Advocate's Devil*; Final Report of Committee on Supreme Court Practice (Cmd. 8878).

FOR REFERENCE: The Annual Practice; The County Court Practice; Halsbury, *Laws of England*, Vol. 1, *Actions*, Vol. 9, *County Courts and Courts*, Vol. 11, *Crown Proceedings*, Vol. 12, *Discovery and Divorce*, Vol. 16, *Execution*, Vol. 22, *Judgments and Orders*, Vol. 23, *Juries*, Vol. 30, *Pleading and Practice and Procedure*; E. Bullen and S. M. Leake, *Precedents of Pleading*; J. Chitty, *Queen's Bench Forms*; *Encyclopedia of Court Forms*; W. S. Holdsworth, *History of English Law*, Vol. I and Vol. IX, chap. 7; R. Sutton, *Personal Actions at Common Law*; H. C. Gutteridge, *Comparative Law*; R. David and H. P. de Vries, *French Legal System*; A. T. Von Mehren, *The Civil Law System*; *Legal Aid Handbook* (H.M.S.O.); *Civil Judicial Statistics* (H.M.S.O., annual); *Manual of German Law*, Vol. I (H.M.S.O.); Report of Royal Commission on Despatch of Business at Common Law (Cmd. 5065); 1st, 2nd and 3rd Reports of Committee

on County Court Procedure (Cmd. 7468 and 7668); 1st, 2nd and 3rd Reports of Committees on Supreme Court Practice (Cmd. 7764, 8176 and 8617); Report of Committee on Administrative Tribunals and Enquiries (Cmd. 218); Report of Law Society on Operation of Legal Aid and Advice Act (1949, annual); Articles on Practice and Procedure in *The Law Quarterly Review*, *The Modern Law Review* and other periodicals.

461 Comparative Criminal Law and Procedure

Mr Hall Williams and Mr D. A. Thomas.

Syllabus A consideration of the main principles of the English criminal law, the problems arising in its codification, and the statement of the principles of responsibility and the general defences, together with the position with regard to strict liability offences. These will be examined in comparison with the following penal codes: The Canadian Code of 1954. The Indian Penal Code of 1860. The Norwegian Penal Code of 1902 as amended in 1961. The Penal Code of Nigeria. The Criminal Codes of Nigeria. The Ghana Criminal Code, together with the Penal Code of Kenya or the Penal Codes of any one of the following countries: Uganda, Tanzania, Malawi, Zambia, the Gambia, Botswana. The English Draft Criminal Code of 1879. The American Law Institute's Draft Model Penal Code.

SPECIFIC CRIMES: A comparative examination of the following specific crimes: Homicide, larceny and kindred offences, offences against public morality, commercial trading frauds, offences against the state and the administration of justice.

PROCEDURE: A comparative examination of the following topics: Police powers of investigation and interrogation. The discretion to prosecute. Relation of prosecutor to the defence. The position of the accused as a witness. Organisation of the criminal courts. Criminal appeals, new trial and post-conviction remedies. The sentencing process.

Recommended reading will be given during the course.

462 Comparative Conflict of Laws
Professor Graveson (K.C.) and Mr Lazar.

Syllabus I. The history of the conflict of laws: classification, renvoi; public policy and the limits of application of foreign law; domicile; the unification of private international law.

II. For examination in 1971: Corporations, trusts and settlements; succession to movable and immovable property, both testate and intestate.

Recommended reading I. English Conflict of Laws. TEXTBOOKS: G. C. Cheshire, *Private International Law*; M. Wolff, *Private International Law*; R. H. Graveson, *Conflict of Laws*; R. H. Graveson, *Cases on the Conflict of Laws*. WORKS OF REFERENCE: A. V. Dicey, *Conflict of Laws*; J. D. Falconbridge, *Essays in the Conflict of Laws*. II. Comparative Law. GENERAL: E. Rabel, *Conflict of Laws*; A. K. Kuhn, *Comparative Commentaries on the Conflict of Laws*; R. H. Graveson, "Comparative Aspects of the General Principles of Private International Law" (*Recueil des Cours de l'Académie de Droit International à la Haye*, 1963).

CANADA: J. D. Falconbridge, *Essays in the Conflict of Laws*; W. S. Johnson, *The Conflict of Laws with special reference to the Law of the Province of Quebec*. UNITED STATES: American Law Institute, *Restatement of the Law of Conflict of Laws* and *ibid.*, *Second Draft*; R. H. Graveson, "The Comparative Evolution of Principles of the Conflict of Laws in England and the U.S.A." (*Recueil des Cours de l'Académie de Droit International à la Haye*, 1960); H. F. Goodrich, *Conflict of Laws*; G. W. Stumberg, *Conflict of Laws*; E. E. Cheatham and others, *Cases and Materials on Conflict of Laws*; W. W. Cook, *The Logical and Legal Bases of the Conflict of Laws*; A. A. Ehrenzweig, *Conflict of Laws*. CONTINENTAL COUNTRIES: H. Batiffol, *Traité Élémentaire de Droit International Privé*; P. Arminjon, *Précis de Droit International Privé*; P. Lerebours-Pigéonnière, *Précis de Droit International Privé*; A. F. Schnitzer, *Handbuch des Internationalen Privatrechts*; W. Niederer, *Einfuehrung in die allgemeinen Lehren des*

Internationalen Privatrechts; M. Wolff, *Das Internationale Privatrecht Deutschlands*; L. Raape, *Internationale Privatrecht*.

Students should consult the latest editions of these books.

A reading list in respect of each of the special topics will be available on request.

Note Candidates are advised to read relevant articles in *The British Yearbook of International Law*, *The International and Comparative Law Quarterly*, the *Transactions of the Grotius Society*, and other leading English and American Law reviews, as well as in Clunet's *Journal de Droit International Privé* (published in French and English) and *Revue Critique de Droit International Privé*. For surveys of the leading Continental systems the *Recueil des Cours de l'Académie de Droit International à la Haye* should be consulted. Attention is further drawn to the *Bilateral Studies in Private International Law* (Oceana Publications, New York), and to the reports on the Hague Conference of Private International Law.

463 Soviet Law

Professor Kiralfy (K.C.) and Dr Lapenna.

Note Candidates taking LL.M. subject 25 *Soviet Law* may not take Section (B)3 *Soviet Law* under LL.M. subject 24 *Comparative European Law*.

Candidates are required to offer A and one of B, C or D. It may not be possible to provide courses for each option every year.

Syllabus A. Introduction

Main features of the Tsarist legal system. Fundamental Marxist notions of State and Law. The sources of Soviet Law, and its branches. The position of Public International Law. The concept of ownership in Marxist theory and Soviet legal practice. State property. Legal aspects of the economic system. Socialist legality. The organization of the courts. The procuracy, advocates and notaries. State and departmental arbitration. Comrades' courts and workers' collectivities. Soviet legal terminology.

B. Civil Law and Domestic Relations

The law of persons, property, contract, delict, unjust enrichment and succession on death. Marriage, divorce, nullity, parent and child, guardian and ward. Adoption. Civil procedure.

Note Candidates taking option B may not take LL.M. subject 26 *Comparative Family Law*.

C. Criminal Law

The General Part of the Criminal Law. Criminal liability. Punishments and compulsory measures of a medical and educational character. The principal political and economic offences. Criminology and penal policy. Criminal procedure.

D. Constitutional and Administrative Law
Sovereignty and federalism. Scheme of administrative authorities. The principle of double subordination. The planning organs. The role of the Communist Party of the Soviet Union. Administrative procedures for the redress of grievances.

Note No knowledge of Russian is required, but students taking the course will be required to familiarise themselves with Russian technical legal terms.

Recommended reading IN ENGLISH:

H. J. Berman, *Justice in the U.S.S.R.*; *Soviet Criminal Law and Procedure*; L. Boim, Glenn G. Morgan and A. Rudzinski, *Legal Controls in the Soviet Union*; A. Denisov and M. Kirichenko, *Soviet State Law*; F. J. Felbrugge, *Soviet Criminal Law (General Part)*; V. Gsovski and K. Grzybovski, *Government, Law and Courts in the Soviet Union and Eastern Europe (re parts)*; V. Gsovski, *Soviet Civil Law*; K. Grzybovski, *Soviet Legal Institutions*; J. N. Hazard, *Law and Social Change in the U.S.S.R.*; *Settling Disputes in Soviet Society*; J. N. Hazard and J. Shapiro, *The Soviet Legal System*; E. L. Johnson, *An Introduction to the Soviet Legal System*; H. Kelsen, *The Communist Theory of Law*; A. Kiralfy, *The Russian Civil Code*; W. R. LaFave, *Law in the Soviet Society*; I. Lapenna, *State and Law: Soviet and Yugoslav Theory*; *Soviet Penal Policy*; Glenn G. Morgan, *Soviet Administrative Legality*; P. S. Romashkin, *Fundamentals of Soviet Law*; Z. Szirmai

(Ed.), *Law in Eastern Europe*, Nos. 1-3, 5, 10, 12.

CASEBOOKS: J. N. Hazard and M. L. Weisberg, *Cases and Readings in Soviet Law*, H. J. Berman (Ed.), *Soviet Statutes and Decisions*.

Works in Russian may be recommended to those possessing a sufficient knowledge of the language.

464 Comparative Family Law

Dr Stone and Mr Dicks (S.O.A.S.).

Note When the prescribed option in Comparative European Law is "Persons and Family Law"

candidates will not be permitted to offer both Comparative European Law and Comparative Family Law. Candidates taking option B "Civil Law and Domestic Relations" in LL.M. subject 25 *Soviet Law* may not take Comparative Family Law.

Admission by permission of the teachers in charge.

Syllabus A comparison between the judicial concepts and the substantive law regarding: (a) family property rights and maintenance obligations (including any law of succession to property on death) and (b) infants, minors or children; and their relation to other areas of family law, in representative common law and civil law or community property jurisdictions, and other specified legal systems. Until further notice:

(i) The common law jurisdictions studied will be those of England and Wales, and the States of New York and Pennsylvania.
(ii) The civil law and community property jurisdictions studied will be Western Germany and the North American States of California and Texas.

(iii) The other specified legal systems studied will be the law of the Overseas Chinese communities in Singapore and Hong Kong.

Recommended reading Further reading lists will be issued at the beginning of the course.

1. Common law jurisdictions and general comparative works:

(a) BOOKS: P. Bromley, *Family Law*; W. G. Friedmann, *Matrimonial Property Law* (1955); British Institute of International and Comparative Law, *Parental Custody and Matrimonial Maintenance* (1966); Foote, Levy and Sander, *Cases and Materials on Family Law*, esp. chaps. 1, 3, 4, 10 and 11; M. Hubbell, *Law Directory*, Vol. 4.
(b) JOURNALS AND ARTICLES: *Journal of Family Law* (University of Louisville, Kentucky).

(c) LEGISLATION: New York Estates Powers and Trusts Law; Domestic Relations Law 1966, and Family Court Act.

2. Civil law jurisdictions:

(a) BOOKS: A. N. Yiannopoulos (Ed.), *Civil Law in the Modern World*, esp. M. Rheinstein, "The Law of Family and Succession"; E. J. Cohn, *Manual of German Law* (2nd edn., 1967), esp. the chap. on Family Law; Charnatz and Daggett, *Community Property* or W. E. Burby, *Cases on Community Property*.
(b) LEGISLATION: Relevant parts of the Civil, Financial, Probate and Welfare and Institutions Codes of California. Revised Family Code of the State of Texas; German Civil Code, 4th book, arts. 1297-1921. (English translations will be provided.)

3. The Overseas Chinese Communities:
(a) BOOKS: M. Freedman, *Chinese Family and Marriage in Singapore* (H.M.S.O. 1957); *Chinese Law and Government in Hong Kong* (Government Report, 1953); *Chinese Marriages in Hong Kong (McDouall-Heenan Report)* (Government Report, 1967).

(b) JOURNALS AND ARTICLES: M. Freedman, "Colonial Law and Chinese Society" (80 J. Royal Anthropological Institute, 1950); M. Freedman, "Chinese Family Law in Singapore" in J. N. D. Anderson (Ed.), *Family Law in Asia and Africa* (1968); D.C. Buxbaum, "Chinese Family Law in a Common Law Setting: A note on the Institutional Environment and the Substantive Family Law of the Chinese in Singapore and Malaysia" (*J. Asian Studies*, Vol. XXXV, No. 4, August 1966); H. McAleavy, "Chinese Law in Hong Kong: the Choice of Sources" in J. N. D. Anderson (Ed.), *Changing Law in Developing Countries* (1963); M. B.

Hooker; "The Relationship between Chinese Law and Common Law in Malaysia, Singapore and Hong Kong" (*J. Asian Studies*, XXVIII, No. 4, August 1969).

(c) LEGISLATION: The Women's Charter, 1961, Singapore.

465 Law of International Institutions

Professor D. H. N. Johnson.

Also for M.Sc.: *International Institutions*, XI 3.

Syllabus (A) General Aspects of International Law: Definition; Development; Sources; Functions and Types of International Institutions; General Principles of International Institutional Law; Methods.

(B) *Non-Comprehensive International Institutions:*

1. Judicial International Institutions, with special reference to Permanent Court of Arbitration and the International Court of Justice: Functions; Organization; Jurisdiction; Procedure; Awards; Judgments; Advisory Opinions; Execution.

2. Administrative International Institutions, with special reference to pre-1914 international unions and international river organizations: Functions; Membership; Organization; Scope of Jurisdiction; Powers.

3. Quasi-Legislative International Institutions, with special reference to Conferences and the relevant aspects of the International Labour Organization: Functions; Membership; Organization; Scope of Jurisdiction; Powers.

(C) *Comprehensive International Institutions*, with special reference to the League of Nations and United Nations: Functions; Membership; Organization; Scope of Jurisdiction; Procedure; Powers.

(D) *Hybrid International Institutions:*

1. Universalist Single-purpose Institutions, with special reference to the Inter-governmental Organizations related to the United Nations.

2. Regional Institutions. Multi-purpose Institutions, e.g. Organization of American States; Council of Europe. Single-purpose Institutions, e.g. the International Commission for the Northwest Atlantic Fisheries or the

Commission for Technical Co-operation in Africa (South of the Sahara); Supranational Institutions (the European Coal and Steel Community, the European Economic Community and Euratom).

3. Sectional International Institutions, with special reference to the North Atlantic Treaty and Warsaw Treaty Organizations: Functions; Membership; Organization; Scope of Jurisdiction; Powers.

(E) *Non-Governmental International Organizations:* Arrangements for Consultation with the United Nations under Article 71 of the Charter.

(F) *Legal Aspects of the Co-ordination of International Institutions.*

Note Candidates taking this subject will not be expected to have a detailed knowledge of specialized agencies or other international institutions operating in the field of economics, civil aviation or maritime matters.

(G) *Constitutional Conditions of World Order.*

Recommended reading TEXTBOOKS:

L. Oppenheim, *International Law*, Vol. I (with special reference to Part I, chap.

IV: The Legal Organization of the International Community), and Vol. II

(with special reference to Part I: Settlement of State Differences); G.

Schwarzenberger, *International Law*, Vol. I; *International Law as Applied by*

International Courts and Tribunals (with special reference to chaps. 23-30: Treaties

and Unilateral Acts) and *Manual of International Law*, chaps. 9-12; D. W.

Bowett, *The Law of International Institutions.*

FURTHER READING: M. M. Ball, *NATO and the European Union Movement*;

L. M. Goodrich and E. Hambro, *The Charter of the United Nations*; S. S.

Goodspeed, *The Nature and Function of International Organisation*; C. W. Jenks,

The Proper Law of International Organisations; H. Kelsen, *The Law of the United Nations*; A. H. Robertson,

European Institutions; S. Rosenne, *The Law and Practice of the International Court*;

G. Schwarzenberger, *Power Politics: A Study of World Society* (with special reference to chaps. 15 and 25-30);

J. L. Simpson and H. Fox, *International Arbitration*; L. B. Sohn, *Cases on United*

Nations Law and Basic Documents of the United Nations; B. Boutros-Ghali, *The Addis Ababa Charter*; D. W. Bowett, *United Nations Forces*; G. Modelski *et al.*, SEATO; R. Higgins, *The Development of International Law through the Political Organs of the U.N.*; Ann Van Wynen Thomas and A. J. Thomas, Jr., *The Organisation of American States*; United Nations, *Repertory of Practice of United Nations Organs and Supplements*; *Repertoire of Practice of The Security Council, 1946-1951, and Supplements.* Students should consult the latest editions of these books.

PERIODICALS: *The American Journal of International Law*; *The British Year Book of International Law*; United Nations, *Monthly Chronicle*; *The International and Comparative Law Quarterly*; *International Organisation*; *Year Book of the International Court of Justice*; *Year Book of the United Nations*; *The Year Book of World Affairs.*

466 Law of European Institutions
Dr Valentine.
Also for M.Sc. *European Institutions*, XI 4.

Syllabus The history of the movement towards the European communities; political and economic forces; the Zollverein; coal and steel monopolies; the European Defence Community; the European Political Community (all in outline only).

The European Communities: (i) Constitutional Structure: structure and functioning of: the Court of Justice; the European Parliament; the Councils of Ministers; the High Authority; the Consultative Committee; the Commissions; the European Investment Bank; the Social Fund; the Arbitration Committee.

(ii) Implementation of the Treaties: the creation of a common market; commercial and monetary policies; abolition of internal tariffs and quotas; the common external tariff; monopolies and restrictive trade practices; pricing and subsidy schemes; transport and labour policies. The relationship between community law and municipal law; incorporation; harmonisation of legislation.

The Council of Europe: structure and functioning of: the Committee of Ministers;

the Consultative Assembly; the Joint Committee. Conventions adopted, with special reference to the European Convention on Human Rights; the Commission and Court of Human Rights; scope and interpretation of the Convention.

Comparison with other European Economic Organizations: (i) European Free Trade Association; Council of Association; arbitration procedures; aims and achievements. (ii) Comecon: the Council; the Assembly; the Executive Committee; the Secretariat; aims and achievements.

Recommended reading E. B. Haas, *The Unity of Europe*; R. Mayne, *The Community of Europe*; A. H. Robertson, *The Council of Europe* (2nd edn.); A. H. Robertson, *European Institutions.*

FURTHER READING: G. Bebr, *Judicial Control of the European Communities*; J. S. Deniau, *The Common Market*;

I. Frank, *The European Common Market*;

F. Honig and others, *Cartel Law of the European Economic Community*; G. W.

Keeton and G. Schwarzenberger (Eds.), *English Law and the Common Market*;

R. Pinto, *Les Organisations Européennes*;

R. Pryce, *Political Future of the European Communities*; A. H. Robertson, *The Law of International Institutions in Europe*;

E. Stein and T. L. Nicholson (Eds.), *American Enterprise in the European Common Market*;

D. G. Valentine, *The Court of Justice of the European Communities* (2 Vols.).

Reference should also be made to: *The Year Book of the European Convention on Human Rights*; *Common Market Law Reports*; *International Law Reports*;

Journal of Common Market Studies; *Common Market Law Review*;

F. L. Peyor, "Forms of Economic Co-operation in the European Communist Block"

(*Soviet Studies*, Oct. 1959); Institute of Advanced Legal Studies, *Index to Foreign Legal Periodicals*; articles in B.Y.I.L. and I.C.L.Q.

English translations of the three European Community Treaties, the Rules of Procedure of the Communities' Court, E.E.C. Regulations, the E.F.T.A. Treaty and the European Convention on Human Rights are obtainable from Her Majesty's Stationery Office.

467 International Law of the Sea

Professor D. H. N. Johnson.

Syllabus I. Introduction. History; sources.**II. Delimitation of the Relevant Areas.**

Internal waters; the territorial sea and the contiguous zone; bays; harbour works and roadsteads; islands and low-tide elevations; international straits and waterways; the high seas and the sea-bed; the continental shelf.

III. The Principle of the Freedom of the Seas.

Ordinary and extraordinary rights of jurisdiction in time of peace, with special reference to piracy and the slave trade; coercive measures short of war; limitations and exceptions.

IV. Users of the High Seas and the Sea-Bed.

Navigation; fisheries; exploitation of other natural resources; scientific research and experiments; disposal of radioactive waste; naval exercises; pipe lines; cables; mechanical installations; other users.

V. Jurisdiction over Maritime Areas*Adjacent to the Coast.* The regime of ports and internal waters; the regime of the territorial sea and the contiguous zone; the regime of the continental shelf; the right of hot pursuit; ships in distress.**VI. Access to the Sea for States without a Sea Coast.** Transit between the sea and a state without a sea coast; use of ports and the territorial sea of neighbouring states; right to sail ships on the high seas.**VII. The Legal Regime of the Ship.**

Nationality of ships; flags of convenience; warships and other government-owned ships on non-commercial service; government-owned merchant ships; privately-owned merchant ships; collision, wreck and salvage; stateless ships; pirate ships.

VIII. The Legal Regime of Crew,*Passengers and Cargo.* Jurisdiction; the master; master and crew; conditions of labour; consular jurisdiction over seamen abroad; functional protection of seamen.**IX. Rules for Securing Safety at Sea.**

Rules for the prevention of collisions at sea; assistance at sea; load line conventions; pollution.

X. Maritime Law in Time of War.

Prize law and prize courts; rules of maritime warfare; the law of maritime neutrality.

XI. International Maritime Institutions.

Types; functions; organization; jurisdiction.

Recommended reading TEXTBOOKS: C. J.Colombos, *International Law of the Sea*;G. Gidel, *Le Droit International Public**de la Mer*; M. S. McDougal and W. T.Burke, *The Public Order of the Oceans*;G. Schwarzenberger, *The Fundamental**Principles of International Law*, chap. VIII;*Recueil*, Hague Academy, Vol. 87;G. Schwarzenberger, *International Law*;*International Law as Applied by**International Courts and Tribunals*, Vol. I

(with special reference to chaps. 13, 19

and 20); H. A. Smith, *The Law and**Custom of the Sea.*FURTHER READING: R. R. Baxter, *The Law**of International Waterways*; B. A. Boczek,*Flags of Convenience*; British Institute of

International and Comparative Law,

Developments in the Law of the Sea,

1958-1964 (Special Publication No. 6,

1965); Lord Chorley and O. C. Giles,

Shipping Law (with special reference toPart I: The Ship); C. J. Colombos, *The**Law of Prize*; T. W. Fulton, *The**Sovereignty of the Sea*; Harvard LawSchool, *Research in International Law*,*The Law of Territorial Waters* (23 A.J.I.L.,1929, Special Supplement); *Piracy*

(26 A.J.I.L., 1932, Special Supplement);

International Law Commission of the

United Nations, *Relevant Summary**Records, Documents and Yearbooks*;W. R. Kennedy, *The Law of Civil Salvage*;R. G. Marsden, *Collisions at Sea*; M. W.Mouton, *The Continental Shelf* (*Recueil*,Hague Academy, Vol. 85); *Report of the**First United Nations Conference on the Law**of the Sea* (Cmnd. 584); N. Singh,*International Conventions of Merchant**Shipping*; M. Sørensen, *Law of the Sea*;M. P. Strohl, *The International Law of**Bays*; *Temperley's Merchant Shipping Acts.*PERIODICALS: *The American Journal of**International Law*; *The British Year Book**of International Law*; *The International**and Comparative Law Quarterly*; *The Year**Book of World Affairs.***468 International Economic Law**

Mr Lazar.

Syllabus I. Fundamentals. The province, sources, history and sociology of international economic law.**II. The principles of international economic law.** Economic sovereignty and the co-existence of sovereign and heterogeneous economies. Extraterritorial effects of economic legislation. Immunities from economic sovereignty. Limitations of economic sovereignty (including freedom of commerce, freedom of land and air communications, freedom of inland navigation, freedom of access to the sea and maritime ports, and freedom of the seas). The protection of literary and industrial property abroad. The problem of international economic public policy.**III. The standards of international economic law.** Function and types, including the minimum standard of international law, the most-favoured-nation standard, the standard of preferential treatment, the standard of reciprocal treatment, the standard of the open door and the standard of national treatment. The standards of international economic law on the level of international institutions, including the standard of economic good neighbourliness.**IV. International economic transactions.** General principles. Treaties of friendship, commerce and navigation. Other economic agreements, including double-taxation agreements, development aid agreements and agreements for technological co-operation. Unilateral economic acts. International economic torts, with special reference to the protection of foreign investments. The problem of an international economic law of crime.**V. The law of economic warfare.** Economic reprisals. Economic warfare, with special reference to the position of enemy and neutral property in land and sea warfare. Economic war crimes. War indemnities, reparation and restitution. Collective economic sanctions.**VI. Patterns of international economic organization.**

A. On the level of partly organized international society: the representation and protection of economic interests abroad, with special reference to relevant aspects of diplomatic and consular relations. International adjudication of economic claims. Economic and financial unions (e.g. monetary unions, customs

unions, free trade areas and common markets).

B. On higher levels of international integration: the economic framework of the United Nations. Universalist institutions (e.g. the Bretton Woods institutions and GATT). Regional institutions (e.g. the regional Economic Commissions of the United Nations). Sectional institutions (e.g. international commodity agencies). Supranational institutions (e.g. the European Communities).

Recommended reading will be given at the beginning of the course.**469 Industrial and Intellectual Property**

Professor Cornish.

Syllabus Patents History of patents for inventions. Present system: subject matter; right to apply; employees' inventions; form of application; Patent Office objections and opposition proceedings; grounds of invalidity; infringement; assignments, licences, Crown use; patents of addition; extensions. Comparison with other patents systems. Place of patent protection in the economy. Trade secrets and the protection of "know-how"; scope of present law; relation to patent system.**Designs** History of design protection. Present system: subject matter; registration; invalidity; infringement. Relation to copyright. Other methods of design protection.**Trade Marks and Names** Protection at common law: passing off, slander of title, slander of goods. Trade mark registration: its relation to common law protection; right to apply for registration; purpose of registration; distinctiveness; deception and confusion; division of the register, defensive registrations; certification trade marks; infringement; assignment, registered user, licensing; non-user and use by competitor. Merchandise Marks Acts.**Copyright** History of copyright protection. Nature of copyright. Works in which copyright exists; periods of copyright, ownership, assignment, licensing; infringement in relation to the different classes of "works". Relation to breach of confidence and the protection of "know-how". Other systems of copyright.

Recommended reading INTRODUCTORY:
T. A. Blanco White, *Industrial Property and Copyright*.

TEXTBOOKS: T. A. Blanco White, *Patents for Inventions and the Registration of Industrial Designs*; G. Aldous, D. Falconer and W. Aldous, *Terrell on Patents*; A. Turner, *The Law of Trade Secrets*; A. D. Russell-Clarke, *Copyright in Industrial Designs*; T. A. Blanco White, *Kerly on Trade Marks*, F. E. and E. P. Skone James, *Copinger and Skone James on Copyright*; P. F. Carter-Ruck and E. P. Skone James, *Copyright, Modern Law and Practice*.

(Candidates will be supplied in the examination room with Queen's Printers copies of the Patent Act, 1949, Trade Marks Act, 1938, Copyright Act, 1956 and Design Copyright Act, 1968.) Students should consult the latest edition of these books.

470 Criminology

Mr Hall Williams.

Syllabus I. Introduction. The legal and the criminological concept of crime. Relation between criminology and criminal law. Adult criminal courts, juvenile courts and some specific problems of criminal procedure.

II. *Criminology.* Methods of study. Physical, psychological and sociological factors in criminal behaviour. Legal principles relating to insanity, mental deficiency and other forms of mental abnormality. Juvenile and female delinquency. Prostitution.

III. *Penology.* Philosophical, psychological and historical aspects of punishment. The present penal system. Prison, Borstals. Institutions for young offenders. Probation. Problems of prevention.

Recommended reading TEXTBOOKS:
H. Jones, *Crime and the Penal System*;
E. H. Sutherland, *Principles of Criminology* (revised by D. R. Cressey); W. A. Elkin, *The English Penal System*; N. Walker, *Crime and Punishment in Britain*;
H. Mannheim, *Comparative Criminology*;
J. D. McClean and J. C. Wood, *Criminal Justice and the Treatment of Offenders*;

J. E. Hall Williams, *The English Penal System in Transition*.

FURTHER READING: L. W. Fox, *The English Prison and Borstal Systems*;
M. Grünhut, *Penal Reform*; H. Mannheim, *Group Problems in Crime and Punishment*; *The Dilemma of Penal Reform*; *Criminal Justice and Social Reconstruction*; S. and E. T. Glueck, *Unravelling Juvenile Delinquency*; *Physique and Delinquency*; K. Friedlander, *Psycho-analytical Approach to Juvenile Delinquency*; J. Bowlby, *Maternal Care and Mental Health*; B. Wootton, *Social Science and Social Pathology*; *Crime and the Criminal Law*; A. K. Cohen, *Delinquent Boys: The Culture of the Gang*; A. K. Cohen and others (Eds.), *The Sutherland Papers*; R. A. Cloward and L. E. Ohlin, *Delinquency and Opportunity*; D. M. Downes, *The Delinquent Solution*; T. P. Morris, *The Criminal Area*; J. B. Mays, *Growing up in the City*; *Crime and Social Structure*; M. A. Elliott and F. E. Merrill, *Social Disorganisation*; S. Glueck, *The Problem of Delinquency*; G. Rose, *The Struggle for Penal Reform*; T. E. James, *Child Law*; G. M. Sykes, *Society of Captives*; M. E. Wolfgang, L. Savitz, N. Johnston, *The Sociology of Crime and Delinquency*; *The Sociology of Punishment and Correction*; G. Trasler, *The Explanation of Criminality*; M. S. Guttmacher and H. Weihofen, *Psychiatry and the Law*; W. H. Hammond and E. Chayen, *Persistent Criminals*; The Cambridge Studies in Criminology; The Library of Criminology, Delinquency and Deviant Social Behaviour.

Students should consult the latest editions of these books.

The following official sources should be consulted:

Annual Reports of the Prison Department; Criminal Statistics (England and Wales) annually; Reports of the Home Office, Probation and After-Care and Children's Departments (occasional).
U.K. Home Office, *People in Prison*;
The Sentence of the Court; Home Office Research Unit publications (occasional); Reports of the Home Office Advisory Council on the Treatment of Offenders (occasional); Reports of relevant Royal Commissions and Departmental Committees.

470(a) Criminology Class

Mr Hall Williams. Michaelmas and Lent Terms.

For LL.M.: *Criminology*. Admission by permission of Mr Hall Williams.

OTHER GRADUATE COURSES IN LAW GIVEN AT THE SCHOOL

471 Problems of Civil Litigation

Master Jacob and Mr Zander. Fortnightly, Michaelmas and Lent Terms.

This seminar is mainly for students attending Course No. 460. Current problems in civil litigation will be discussed. Admission by permission.

472 Problems in Taxation (Seminar)

Professor Wheatcroft and Professor Prest. Fortnightly, Lent and Summer Terms.

For graduate students in the Law Department and M.Sc.: *Public Finance*, IV 4 (xi). Admission by permission of Professor Wheatcroft.

Syllabus The seminar will discuss the legal,

accounting and economic aspects of various current problems in taxation. Subjects will be announced in advance.

473 Legal Medicine and Psychiatry

Mr Hall Williams, Dr Stone and visiting speakers. Lectures followed by discussion, Michaelmas and Lent Terms.

For LL.M.: *Criminology*; *Comparative Family Law*; LL.B.: *Law of Domestic Relations*. Optional for Dip. Soc. Work Studies. Other students may attend by permission.

474 Labour Law

Professor Wedderburn. Sessional. For M.Sc.: *Labour Law*, VIII 2(iii) and others interested.

For information concerning seminars for the LL.M. degree and other graduate seminars in law, given at other Colleges of the University of London, students should consult either the Institute of Advanced Legal Studies, 25 Russell Square, London WC1B 5DR, or the Timetabling Office at the School.

Philosophy, Logic and Scientific Method

Philosophy, Logic and Scientific Method

485 Introduction to Scientific Method

Professor Watkins. Ten lectures, Michaelmas Term.

For B.Sc. (Econ.) Part I: alternative subject 4. *Introduction to Scientific Method*; B.Sc. (Econ.) Part II: *Scientific Method*, I 3a; III 3a; VI 8e; VII 7 and 8j; VIII 3e; X 1 and 2d; *Logic and Methodology*, XVI 5; B.Sc. (Soc. Anth.) Part II, 3e (second year); M.Sc.: *Operational Research Methods*, XII 3 (iii). Recommended as a preparation for Course No. 486.

Syllabus The aim of science. Explanation, prediction, technological control. Independent evidence and the avoidance of *ad hoc* hypotheses. Empirical content. Precision and measurement. Testing and corroboration. The empirical basis. Background knowledge. Induction and simplicity. Criteria for scientific progress. Scientific revolutions. Probability. Statistical hypotheses.

Recommended reading N. Campbell, *What is Science?*; C. G. Hempel, *Philosophy of Natural Science*; K. R. Popper, *Conjectures and Refutations*, especially the introduction and chaps. 1, 2, 3, 5, 7, 8, 10, 11; *The Logic of Scientific Discovery*, especially chaps. 1-7, 10.

485(a) Introduction to Scientific Method Class

Twenty classes. Sessional, in conjunction with Courses Nos. 485 and 487.

For B.Sc. (Econ.) Part I.

486 Scientific Method

Professor Lakatos. Ten lectures, Lent Term.

For B.Sc. (Econ.) Part II: *Scientific Method*, I 3a; III 3a; VI 8e; VII 7 and 8j; VIII 3e; X 1 and 2d (third year); *Philosophy and History of Science*, XVI 3b and 8b; *Logic and Methodology*, XVI 5 (second or third year). Either this course or 487 for B.Sc. (Soc. Anth.) Part II, 3e. For B.A. Phil. and Econ. (third year); M.Sc.: *Advanced Scientific*

Method, XIII A 2; B 7; M.Sc.: *Operational Research Methods*, XII 3 (iii). Students are expected to have attended Course No. 485 Introduction to Scientific Method in preparation for this course. **Syllabus** The problem of method. The objectivity of science. Falsificationism *versus* justificationism. The appraisal of scientific theories. Research programmes. The theory of crucial experiments. Continuity and revolution in science. Probabilistic hypotheses. The problem of inductive logic.

Recommended reading ESSENTIAL READING: See recommended reading for Course No. 485.

FURTHER READING: W. Whewell, *History of the Inductive Sciences*, Books 5, 6 and 7; *Philosophy of the Inductive Sciences*; H. Poincaré, *Science and Hypothesis*; P. Duhem, *The Aim and Structure of Physical Theory*; P. W. Bridgman, *The Logic of Modern Physics*; H. Weyl, *The Philosophy of Mathematics and Natural Science*; E. Nagel, *The Structure of Science*; K. R. Popper, "The Aim of Science" (*Ratio*, Vol. 1, 1958); J. W. N. Watkins, "Confirmable and Influential Metaphysics" (*Mind*, Vol. 67, 1958); P. K. Feyerabend, "Explanation, Reduction, and Empiricism" (*Minnesota Studies in the Philosophy of Science*, Vol. 3); J. Agassi, *Towards an Historiography of Science*; T. S. Kuhn, *The Structure of Scientific Revolutions*.

Some useful anthologies are H. Feigl and M. Brodbeck (Eds.), *Readings in the Philosophy of Science*; I. Lakatos and A. E. Musgrave (Eds.), *Criticism and the Growth of Knowledge*; M. Bunge (Ed.), *The Critical Approach*; A. J. Ayer (Ed.), *Logical Positivism*; P. A. Schilpp (Ed.), *The Philosophy of Rudolf Carnap*; I. Lakatos (Ed.), *The Problem of Inductive Logic*; M. H. Foster and M. L. Martin (Eds.), *Probability, Confirmation, and Simplicity*. Students should also see the recommended reading for Course No. 492.

486(a) Scientific Method Class

Fortnightly, Michaelmas and Lent Terms, in conjunction with Course No. 486.

For B.Sc. (Econ.) Part II, special subject Philosophy (second year).

Philosophy, Logic and Scientific Method

486(b) Scientific Method Class

Ten classes, fortnightly, Michaelmas and Lent Terms.

For M.Sc.: *Operational Research Methods*, XII 3 (iii).

486(c) Scientific Method Class

Ten classes, fortnightly, Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II: *Scientific Method*, I 3a; III 3a; VI 8e; VII 7 and 8j; VIII 3e; X 1 and 2d (third year).

487 Introduction to Scientific Method: Social Sciences

Professor Watkins. Ten lectures, Lent Term.

For B.Sc. (Econ.) Part I: alternative subject 4, *Introduction to Scientific Method*; B.Sc. (Econ.) Part II: *Scientific Method*, I 3a; III 3a; VI 8e; VII 7 and 8j; VIII 3e; X 1 and 2d (second and third years); *Philosophy of Social Science*, XVI 8a. Either this course or 486 for B.Sc. (Soc. Anth.) Part II, 3e. For B.A. Phil. and Econ. (third year); M.Sc.: *Methodology of the Social Sciences*, XIII A 7.

Students are expected to have attended Course No. 485 Introduction to Scientific Method in preparation for this course.

Syllabus Methodological individualism and the study of unintended social results. Predictability. Observer-interference. Equilibrium; social organicity. Positive feed-back and "catastrophe"-theories. Social phenomenalism, institutional stability, and sympathetic understanding of social activities. Culture-clashes. Social laws; macro-theories. Rationality and optimisation; game-theoretical rationality. Indeterminacy and uncertainty. Historical knowledge.

Recommended reading K. R. Popper, *The Poverty of Historicism*; F. A. Hayek, *The Counter-revolution of Science*, Part I; P. Winch, *The Idea of a Social Science*; L. C. Robbins, *The Nature and Significance of Economic Science*; W. Eucken, *The Foundations of Economics*; M. Friedman, *Essays in Positive Economics*, chap. 1; T. W. Hutchison, *The Significance and*

Basic Postulates of Economic Theory; F. Machlup, *Essays in Economic Semantics*; R. G. Collingwood, *The Idea of History*.

ANTHOLOGIES AND READINGS: I. Lakatos and A. E. Musgrave (Eds.), *Problems in the Philosophy of Science* (pp. 305-432); H. Feigl and M. Brodbeck (Eds.), *Readings in the Philosophy of Science*, Part 8; P. Gardiner (Ed.), *Theories of History*; M. Brodbeck (Ed.), *Readings in the Philosophy of the Social Sciences*; L. I. Krimerman (Ed.), *The Nature and Scope of Social Science*.

Students are also referred to Courses Nos. 833 and 836.

488 Introduction to Logic

Mr Howson. Twenty-four lectures, Sessional.

For B.Sc. (Econ.) Part I: alternative subject 3, *Introduction to Logic*; B.Sc. (Econ.) Part II: *Logic and Methodology*, XVI 5; *Mathematical Logic*, X 7 and 8h; XI 2b; XVI 4b (second year); B.Sc. (Maths.) Part I, 5b; M.Sc.: *Elements of Mathematical Logic*, XIII A 1.

Syllabus A brief survey of the history of logic and its relationships with mathematics. Infinite regresses of proofs and definitions. The axiomatic method: Euclidean geometry as a paradigm of perfect knowledge. Non-Euclidean geometries: the problems of consistency, completeness, independence. The idea of a model; relative consistency proofs. The main problem of logic: validity inferences. Logical and descriptive words: the theory of valid inference, logical truth, logical falsehood.

Propositional logic. Connectives. Truth-tables as a decision procedure for validity of inferences in propositional logic. Rules of inference and derivations in propositional logic.

Predicate logic. Predicates and quantifiers. Aristotelian logic. Interpretations and validity of inferences in predicate logic. The lack of a general decision procedure. Rules of inference and derivations in predicate logic. Gödel's completeness theorem.

Arithmetization of mathematics; Peano's postulates for arithmetic. The Frege-

Philosophy, Logic and Scientific Method

Russell programme. Paradoxes of naive set theory. Russell's simple theory of types. Axiomatic set theory. The Liar paradox: object and metalanguage. Self-reference and meaning.

Hilbert's programme and formalization. Example: axiomatized propositional calculus and proofs of its consistency, completeness, and independence. Gödel's incompleteness results.

Recommended reading LOGIC TEXTBOOKS: P. Suppes, *Introduction to Logic*, especially chaps. 1-4. Other books which cover basically the same ground are, in order of increasing difficulty: P. Suppes and A. Hill, *First Course in Mathematical Logic*; W. V. Quine, *Elementary Logic*; A. H. Basson and D. J. O'Connor, *Introduction to Symbolic Logic*; A. Copi, *Introduction to Logic*; W. V. Quine, *Methods of Logic*; A. Copi, *Symbolic Logic*; B. Mates, *Elementary Logic*. FURTHER READING: E. Nagel and J. R. Newman, *Gödel's Proof*; W. B. Rosser, "An Informal Exposition of Proofs of Gödel's Theorems and Church's Theorem" (*Journal of Symbolic Logic*, Vol. 4, 1939); I. Lakatos, "Infinite Regress and the Foundations of Mathematics" (*Arist. Soc. Supp. Vol.*, 1962); K. R. Popper, "Logic without Assumptions" (*Proc. Arist. Soc.*, 1946-7); *Conjectures and Refutations*, chap. 14; A. Tarski, *Logic, Semantics, Metamathematics*, chap. 16; M. Kline, *Mathematics: A Cultural Approach*; R. Blanché, *Axiomatics*; P. H. Nidditch, *The Development of Mathematical Logic*.

488(a) Logic Class

Twenty classes. Sessional, in conjunction with Course No. 488.

For B.Sc. (Econ.) Part I; B.Sc. (Maths.) Part I; B.Sc. (Econ.) Part II; X 7 and 8h; XI 2b.

488(b) Classes

Ten fortnightly classes, Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II: special subject Philosophy (second year).

489 History of Modern Philosophy

Professor Watkins. Twenty-four lectures of two hours, Sessional.

For B.Sc. (Econ.) Part II: *History of Modern Philosophy*, XVI 6 (second year; optional for third year); M.Sc.: *History of Epistemology*, XIII A 3; B 8. Optional for B.Sc. (Econ.) Part I: alternative subject 4, *Introduction to Scientific Method*.

Syllabus The main problems, theories and arguments of Bacon, Descartes, Spinoza, Locke, Leibniz, Berkeley, Hume and Kant considered against the rise of modern science.

Recommended reading TEXTS: F. Bacon, *Novum Organum* in J. Spedding, R. L. Ellis and D. D. Heath (Eds.), *The Works of Francis Bacon*; R. Descartes, *Philosophical Works* (trans. E. S. Haldane and G. R. T. Ross), Vol. I; J. Locke, *Essay Concerning Human Understanding* (Ed. A. S. Pringle-Pattison); B. Spinoza, *Correspondence* (Ed. A. Wolf); *Ethic* (trans. W. H. White and A. H. Sterling, 4th edn.); G. W. Leibniz, *The Monadology and Other Philosophical Writings* (Ed. R. Latta); *Discourse on Metaphysics and Correspondence with Arnauld*; *Selections* (Ed. P. P. Weiner); G. Berkeley, *Works* (Eds. A. A. Luce and T. E. Jessop, Vols. II, IV); D. Hume, *Enquiries* (Ed. L. A. Selby-Bigge) and *Treatise* (Ed. L. A. Selby-Bigge) especially Book I, Parts iii and iv, Book II, Part iii and Book III, Part i; I. Kant, *Prolegomena to any Future Metaphysics*.

COLLECTIONS: R. H. Popkin (Ed.), *The Philosophy of the 16th and 17th Centuries*; L. W. Beck (Ed.), *18th-Century Philosophy*.

COMMENTARIES: R. H. Popkin, *The History of Scepticism from Erasmus to Descartes*; M. Mandelbaum, *Philosophy, Science and Sense-Perception*; J. W. N. Watkins, *Hobbes's System of Ideas*, chaps. 3, 7, 8; L. Röth, *Descartes' Discourse on Method*; A. Sesonske and N. Fleming (Eds.), *Meta-Meditations: Studies in Descartes*; S. Hampshire, *Spinoza*; J. Gibson, *Locke's Theory of Knowledge*; C. B. Martin and D. M. Armstrong (Eds.), *Locke and Berkeley*; B. Russell, *The Philosophy of Leibniz*; editorial introductions in A. A. Luce and T. E. Jessop (Eds.), *The Works of George*

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Berkeley; V. C. Chappell (Ed.), *Hume*; N. Kemp Smith, *The Philosophy of David Hume*; S. Körner, *Kant*; H. J. Paton, *Kant's Metaphysics of Experience* (2 vols.)

490 Epistemology and Metaphysics

Mr Howson and Mr Zahar. Ten lectures, Michaelmas Term.

For B.Sc. (Econ.) Part II: *Epistemology and Metaphysics*, XVI 7 (second or third year); B.A. Phil and Econ. (third year); optional for M.Sc.: *Advanced Scientific Method*, XIII A2; B7; *History of Epistemology*, XIII A3; B 8.

Syllabus The definition of truth. Probability. Problems of demarcation: analytic versus synthetic, science versus non-science. Euclidean geometry and the problem of synthetic *a priori* truth. Operationalism.

Recommended reading will be given during the course.

491 Mathematical Logic

(i) Dr J. L. Bell and Mr Howson. Fifteen lectures, Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II: *Mathematical Logic*, X 7 and 8h; XI 2b; XVI 4b (third year); M.Sc.: *Elements of Mathematical Logic*, XIII A 1; *Mathematical Logic*, XIII B 1.

(ii) Dr J. L. Bell. Five lectures, Lent and Summer Terms.

For M.Sc.: *Mathematical Logic*, XIII B 1.

492 Selected Topics in the History of Science

Mr Zahar. Fifteen lectures, Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II: *Philosophy and History of Science*, XVI 3b and 8b (second or third year); B.A. Phil and Econ. (third year); M.Sc.: *Selected Topics in the History of Science and Mathematics*, XIII A 6; B 6.

Syllabus The structure of scientific revolutions, with special reference to: the seventeenth century revolution; the

main philosophies of science which have accompanied the growth of modern science.

Recommended reading ESSENTIAL READING: G. Holton and D. H. D. Roller, *Foundations of Modern Physical Science*. FURTHER READING: I. B. Cohen, *The Birth of a New Physics*; T. S. Kuhn, *The Copernican Revolution*; D. Brewster, *Memoirs of Sir Isaac Newton*; A. I. Sabra, *Theories of Light from Descartes to Newton*; *Texas Quarterly*, Autumn 1967, X 3 (special issue on Sir Isaac Newton); A. Koyré, *Newtonian Studies*; *From the Closed World to the Infinite Universe*; E. A. Burtt, *The Metaphysical Foundations of Modern Physical Science*; A. Einstein and L. Infeld, *The Evolution of Physics*; H. Butterfield, *The Origins of Modern Science*; M. Caspar, *Kepler*; A. Koestler, *The Sleepwalkers*; S. Toulmin and J. Goodfield, *The Fabric of the Heavens*; *The Architecture of Matter*; *The Discovery of Time*; C. Boyer, *The Concepts of the Calculus*; S. Drake (Ed.), *Discoveries and Opinions of Galileo*; Galileo, *Dialogue Concerning the Two Chief World Systems*; E. Meyerson, *Identity and Reality*.

493 Moral and Political Philosophy

Mrs Letwin. Twenty lectures, Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II: *Moral and Political Philosophy*, XVI 4a (second or third year); *Political Philosophy*, VIII 8a (second year); B.A. Phil. and Econ. (third year).

Syllabus The kinds of problems that arise in political argument, with emphasis on how these problems are related to views on ethics, law and knowledge. The lectures will discuss the interplay in political argument of morality, justice, legality and expediency, the place of principles and rules in political practice, and what constitutes a reasonable criticism of a political argument.

Recommended reading will be given at the beginning of the course. Students are also referred to Courses Nos. 512, 513, 514 and 835.

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494 Positivism and Conventionalism

Mr Zahar. Five lectures, Michaelmas Term.

For B.Sc. (Econ.) Part II: *Epistemology and Metaphysics*, XVI 7; B.A. Phil. and Econ. (third year); M.Sc.: *History of Epistemology*, XIII A 3; B 8.

Recommended reading E. Mach, *Popular Scientific Lectures*; H. Poincaré, *Science and Hypothesis*; P. Duhem, *Aim and Structure of Physical Theory*.

495 Philosophy of Mathematics

Professor Lakatos. Fifteen two-hour lectures, Lent and Summer Terms.

For M.Sc.: *Philosophy of Mathematics*, XIII A 4; B 4; *Selected Topics in the History of Science and Mathematics*, XIII A 6; B 6.

Syllabus Mathematical heuristic. Selected topics in the history of mathematics. The idea of a foundation for mathematics in set theory; the work of Frege, Dedekind and Cantor. The paradoxes of Russell, Cantor and Burali-Forti and the resultant formation of three principal schools: Russell's, Hilbert's and Brouwer's. The decline of Russell's programme for the reduction of mathematics to logic. Hilbert's programme as a positive challenge to Brouwer's intuitionism and the concept of finitary mathematics. Gödel's incompleteness theorems and their effects on Hilbert's programme.

Recommended reading G. Polya, *Mathematics and Plausible Reasoning*; *Mathematical Discovery*; I. Lakatos, "Proofs and Refutations" (*The British Journal for the Philosophy of Science*, 1963-64); S. Körner, *Introduction to the Philosophy of Mathematics*; H. Putnam and P. Benacerraf (Eds.), *Readings in the Philosophy of Mathematics*; I. Lakatos (Ed.), *Problems in the Philosophy of Mathematics*; J. Hintikka (Ed.), *Philosophy of Mathematics*; J. van Heijenoort (Ed.), *From Frege to Gödel*.

496(i) Boolean Algebras

Dr J. L. Bell. Michaelmas Term.

For M.Sc. *Advanced Mathematical Logic*, XIII B 2; *Topics in the Foundations of Mathematics*, XIII B 3. Optional for B.Sc. (Maths.) (third year).

Syllabus Lattices. Elementary properties of Boolean algebras. Filters and ultrafilters. Stone representation theorem. Atomic and complete Boolean algebras. Stone spaces of Boolean algebras.

496(ii) Model Theory

Dr J. L. Bell. Lent Term.

For M.Sc. *Advanced Mathematical Logic*, XIII B 2; *Topics in the Foundations of Mathematics*, XIII B 3.

Syllabus Gödel-Henkin completeness theorem for first order theories. Löwenheim-Skolem theorems. Ultraproducts and applications.

496(iii) Axiomatic Set Theory

Dr J. L. Bell. Summer Term.

For M.Sc. *Advanced Mathematical Logic* XIII B 2; *Topics in the Foundations of Mathematics*, XIII B 3.

Syllabus Axiomatic development of Sermelo-Fraenkel set theory. Definitions by transfinite induction. Constructible sets.

SEMINARS

497 Philosophy and Scientific Method

All members of the department. Sessional.

For M.Sc. and other graduate students. Attendance by permission of Professor Watkins or Professor Lakatos.

498 Scientific Method and Epistemology

Professor Watkins, Mr Howson and Mr Zahar. Michaelmas and Lent Terms.

For M.Sc.: *Advanced Scientific Method*, XIII A 2; B 7; *History of Epistemology*, XIII A 3; B 8.

Philosophy, Logic and Scientific Method

499 Philosophical Problems

Professor Watkins and Mr. Howson. Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II: special subject Philosophy; B.A. Phil. and Econ. (third year).

500 Philosophy of the Social Sciences

Professor Watkins, Mr Klappholz and Dr Devletoglou. Twenty seminars, Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II: *Philosophy of the Social Sciences*, XVI 8a (second and third years); *Scientific Method*, I 3a; B.A. Phil. and Econ. (third year); M.Sc.: *Methodology of the Social Sciences*, XIII A 7.

Students are expected to have attended Course No. 487 Introduction to Scientific Method: Social Sciences.

501 Moral and Political Philosophy

Mrs Letwin. Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II: *Moral and Political Philosophy*, XVI 4a; B.A. Phil. and Econ. (third year).

502 History of Science

Professor Lakatos and Mr Zahar. Michaelmas and Lent Terms.

For M.Sc.: *Selected Topics in the History of Science and Mathematics*, XIII A 6; B 6.

CLASSES

503 History of Philosophy

Mr Mann. Twenty meetings, Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II: *History of Modern Philosophy*, XVI 6 (second year).

504 Logic and Scientific Method

Sessional.

For B.Sc. (Econ.) Part II: special subject Philosophy (second year).

505 Mathematical Logic

Mr Howson and Mr Worrall. Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II: *Mathematical Logic*, X 7 and 8h; XI 2b; XVI 4b (third year).

506 Philosophy and History of Science

Mr Zahar. Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II: *Philosophy and History of Science*, XVI 3b or 8b; B.A. Phil. and Econ. 9c.

507 Logic and Scientific Method (Class)

Mr Howson. Twenty classes, Michaelmas and Lent Terms.

For B.Sc. (Soc. Anth.) Part II, 3e.

Political Studies

Page

439 Government

453 International Relations

Government

(A) Political Theory and the History of Political Thought

510 Political Thought

Mr Minogue. Thirty lectures, Sessional.

For B.Sc. (Econ.) Part II: *Political Thought*, I 1; II 4a; III 1; IV 2a; V 1a; VI 2; VII 2; VIII 4; IX 2; X 1 and 2c; XI 2c; XII 2; XIII 2a; XIV 2; XV 5 and 6a; XVI 2a (second year).

Recommended reading will be given at the beginning of the course.

510(a) Classes

511 Three Key Mediaeval Political Thinkers

Dr Morrall. Ten lectures, Michaelmas Term.

For B.Sc. (Econ.) Part II: *Political Thought*, I 1; II 4a; III 1; IV 2a; V 1a; VI 2; VII 2; VIII 4; IX 2; X 1 and 2c; XI 2c; XII 2; XIII 2a; XIV 2; XV 5 and 6a; XVI 2a (third year).

Syllabus The thinkers with whom this course will be concerned are St. Augustine, St. Thomas Aquinas and Marsiglio of Padua.

Texts R. H. Barrow (Ed.), *Introduction to St. Augustine's "City of God"*; A. P. d'Entrèves, *Aquinas: Selected Political Writings* (Blackwell's Political Texts); A. Gewirth, *Marsilius of Padua*, Vol. II.

512 Political Thought from Hobbes to Burke

Mr Minogue. Ten lectures, Lent Term.

For B.Sc. (Econ.) Part II: *Political Thought*, I 1; II 4a; III 1; IV 2a; V 1a; VI 2; VII 2; VIII 4; IX 2; X 1 and 2c; XI 2c; XII 2; XIII 2a; XIV 2; XV 5 and 6a; XVI 2a; B.A. Phil. and Econ. (third year).

Syllabus The course is designed to examine some of the main issues arising in Hobbes, Spinoza, Locke, Rousseau,

Hume, Bentham and Burke, particularly the problem of individuality and its political significance. The political thought of these philosophers will be related, where relevant, to their ethical and epistemological positions.

Texts James I, *The Trew Law of Free Monarchies*; F. Bacon, *The Advancement of Learning*; R. Descartes, *Discourse on Method*; T. Hobbes, *Leviathan* (Ed. M. Oakeshott); J. Locke, *Two Treatises of Government* (Ed. P. Laslett); B. Spinoza, *The Political Works* (Ed. W. Wernham); J. Milton, *Areopagitica*; B. de Mandeville, *Fable of the Bees* (Ed. B. Kaye); D. Hume, *Treatise of Human Nature*; Montesquieu, *The Spirit of Laws*; J. J. Rousseau, *The Social Contract*; J. Bentham, *Introduction to the Principles of Morals and Legislation* (Ed. W. Harrison); E. Burke, *Conciliation with the Colonies*; T. Paine, *Rights of Man*; J. Harrington, *Oceana*; G. Savile (Halifax), *The Character of a Trimmer*; J. Swift, *Gulliver's Travels*; W. Godwin, *Political Justice*.

513 Political Thought (Texts)

Fifteen classes, Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II: *Political Thought (Set Texts)*, VII 7 and 8h; VIII 5; *Moral and Political Philosophy*, XVI 4a; B.A. Phil. and Econ. (third year).

Plato: Dr Morrall

Aristotle: Dr Morrall

Marsilius: Dr Morrall

Machiavelli: Mr Minogue

Hobbes: Dr Orr

Locke: Professor Cranston

Rousseau: Mr Charvet

Hegel: Professor Kedourie

Mill: Mr Thorp

514 Political Philosophy

Professor Cranston and Dr Orr. Fourteen lectures, Lent and Summer Terms.

For B.Sc. (Econ.) Part II: *Political Philosophy*, VIII 8a; *Moral and Political Philosophy*, XVI 4a (second year).

Syllabus Philosophy: its nature and methods and its place in the study of politics. The origins and grounds of moral judgments. Authority and power.

Government

Compulsion, persuasion and consent. Responsibility and punishment. Political obligation. Organic and individualistic theories of political society. Concepts of nature and of reason. Natural law and natural rights. The definition of freedom. Social change and the problem of determinism. Positive and normative laws in political science. Property and distributive justice. The idea of equality. The nature of ideology. Theoretical foundations of democratic and non-democratic political orders.

Recommended reading C. G. Field, *Political Theory*; J. L. Lucas, *The Principles of Politics*; S. Bann and R. S. Peters, *Social Principles and the Democratic State*; J. D. Mabbott, *The State and the Citizen*; B. Barry, *Political Argument*; H. L. Hart, *The Concept of Law*; T. D. Weldon, *The Vocabulary of Politics*; M. Oakeshott, *Rationalism in Politics*; S. Wolin, *Politics and Vision*; M. Cranston, *Freedom*; E. F. Carr, *Morals and Politics*; P. Laslett (Ed.), *Philosophy, Politics and Society* (I and II); D. D. Raphael, *Problems of Political Philosophy*; K. R. Popper, *Conjectures and Refutations*; D. D. Raphael, *Political Theory and the Rights of Man*; A. P. d'Entrèves, *The Notion of the State*.

514(a) Class

Professor Cranston and Dr Orr. Fortnightly, Lent and Summer Terms, in connection with Course No. 514.

For second-year students.

514(b) Class

Professor Cranston and Dr Orr. Fortnightly, Michaelmas and Lent Terms, in connection with Course No. 514.

For third-year students.

515 Contemporary Political Thought

Professor Greaves. Fifteen lectures, Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II: *Contemporary Political Thought*, VIII 8b (second year).
Syllabus The European political thinking that has followed upon the rise of

popular politics and the growth of industrial society. The part played in this thinking by increased knowledge of the natural world and its technological applications, and by the belief in the existence of laws of history. It thus covers the period from the French and the industrial revolutions to the present day.

Recommended reading TEXTS: J. Bentham, *Introduction to the Principles of Morals and Legislation*; G. W. F. Hegel, *The Philosophy of Right* (Trans. T. M. Knox); S. T. Coleridge, *Second Lay Sermon*; St. Simon, *Selected Writings* (Blackwell); K. Marx, *The Communist Manifesto* (Introduction by H. J. Laski); K. Marx, *Criticism of Political Economy*; J. S. Mill, *On Liberty*; J. S. Mill, *Representative Government*; T. H. Green, *Lectures on the Principles of Political Obligation*; C. Sorel, *Reflections on Violence*; V. I. Lenin, *What is to be Done?*; V. I. Lenin, *The State and Revolution*.

GENERAL READING OR FOR REFERENCE: J. H. Randall, *The Making of the Modern Mind*; J. Schumpeter, *Capitalism, Socialism and Democracy*; J. S. Mill, *Bentham and Coleridge*; J. S. Mill, *Utilitarianism*; H. Michel, *L'Idée de l'Etat*; J. Talmon, *Political Messianism*; R. H. Tawney, *The Acquisitive Society*; A. V. Dicey, *Lectures on the Relation between Law and Public Opinion in the Nineteenth Century*; R. H. Soltau, *French Political Thought in the Nineteenth Century*; G. de Ruggiero, *The History of European Liberalism*; B. Croce, *History as the Story of Liberty*; W. Bagehot, *Physics and Politics*; M. Arnold, *Culture and Anarchy*; R. Williams, *Culture and Society 1750-1950*; E. Wilson, *To the Finland Station*; L. T. Hobhouse, *Elements of Social Justice*; G. Wallas, *Human Nature in Politics*; *Fabian Essays* (Introduction by Asa Briggs); E. Kedourie, *Nationalism*; H. R. G. Greaves, *Foundations of Political Theory*; H. J. Laski, *Grammar of Politics* (chap. 7).

515(a) Class

Professor Greaves, Dr Miliband and Mr Thorp. Fortnightly, Lent and Summer Terms, in connection with Course No. 515.

For second-year students.

Government

515(b) Class

Professor Greaves, Dr Miliband and Mr Thorp. Fortnightly, Michaelmas Term, in connection with Course No. 515.

For third-year students.

GRADUATE COURSES (A)

516 Contemporary Political Analysis (Seminar)

Dr Letwin and other members of the department. Ten seminars, Lent Term.

For B.Sc. (Econ.) Part II: special subject Government (third year) and interested graduate students. For other students by permission.

517 History of Political Thought (Seminar)

Professor Kedourie, Mr Minogue, Dr Orr and Mr Charvet. Sessional.

For M.Sc.: *History of Political Thought*, XV 1.

518 The Philosophy of Ideology

Mr Minogue. Five lectures, Summer Term.

For M.Sc.: *History of Political Thought*, XV 1 and other interested students.

Syllabus A discussion of ideological discourse taken as a specific form of political thinking.

519 Political Philosophy (Seminar)

Professor Cranston and Dr Orr. Fortnightly, Sessional.

For graduate and other students by permission.

520(i) Marxism

Dr Miliband. Ten lectures, Michaelmas Term.

Recommended for M.Sc.: *Political Sociology*, XV 4; *Theories and Concepts*

of *Political Sociology*, XIX 3xi; *Political Stability and Change*, XIX 3xii; B.Sc. (Econ.) Part II: *Contemporary Political Thought*, VIII 8b (second or third year).

Syllabus An examination of Marx's thought and of some revisions and adaptations of Marxism, notably German Revisionism and Leninism.

Recommended reading will be given at the beginning of the course.

520(ii) Marxism after Lenin (Seminar)

Mrs de Kadt. Ten meetings, Lent and Summer Terms.

For M.Sc.: *Political Sociology*, XV 4. Recommended for M.Sc.: *Theories and Concepts of Political Sociology*, XIX 3xi; *Political Stability and Change*, XIX 3xii. Others who are interested may attend.

521 Russian Political Thought

Mrs de Kadt. Ten lectures, Lent Term; in connection with Course No. 539.

For graduate students; B.Sc. (Econ.) Part II: *Politics and Government of Russia*, VIII 8c (second year).

Syllabus and **recommended reading** will be given at the beginning of the course.

(B) Politics and Public Administration

522 British Government: an Introduction to Politics

Professor Greaves, Dr Donoghue and Dr G. W. Jones. Sessional.

For B.Sc. (Econ.) Part I.

Syllabus A study of constitutional government in Britain with some reference, by way of comparison and contrast, to the experience and traditions of other countries (not excluding autocracies); to be treated as a study both of institutions and of the concepts associated with them and their interaction with changes in the social order.

Government

The Revolution of 1688; constitutional monarchy, parliamentary supremacy, separation and balance of power, judicial independence, the rule of law, rights and liberties. Cabinet government and other forms of executive government. Representation and legislation; the House of Commons; parties, opinion, special interests and pressure groups; the House of Lords; second chambers. The expansion of administration; the civil service; departments and statutory bodies; armed forces and police; state economic and social action; discretionary power and safeguards. Local government, decentralisation, federalism. Extension of constitutional government in the Commonwealth.

Recommended reading Students will be given details of recommended reading shortly before or after the beginning of the course.

522(a) Classes

523 English Constitutional History since 1660

Mrs Bennett. Thirty lectures of one-and-a-half hours, Sessional.

For B.Sc. (Econ.) Part II: *English Constitutional History since 1660*, VI 8a; VII 7 and 8b; VIII 3a (second year).

Syllabus The Restoration: relations between King, Lords and Commons; religious issues. Ministries under Charles II. Impeachment. Ministerial responsibility. Popish Plot, Exclusion Crisis and Royalist reaction. *Habeas corpus*. Prerogative, the suspending and dispensing powers. The armed forces. James II and the Revolution of 1688. The Bill of Rights and the Act of Settlement. Toleration. William III, ministers and party. Parliament and finance. The Cabinet in the reign of Anne. Politics in the early eighteenth century. The problem of the succession. The Hanoverians. The King and the Heir Apparent and the Cabinet. Whigs and Tories. Walpole, the premiership and the Commons. The structure of politics. The constitutional position of George III: his aims and motives. Ministerial instability. The executive and the legislature.

Wilkes, the press and parliamentary privilege. The American controversy. Fox-North coalition and the election of 1784. Pitt, George III, the premiership and party in the late eighteenth century. Parliamentary reform. England and the French Revolution. Radicalism and repression. Reform agitation after 1815. The 1832 Reform Bill. Chartism and the Anti-Corn Law League. The electoral system 1832-1867. The reforms of 1867 and 1884. The development of party organization. The monarchy, the premiership and the cabinet in the nineteenth century. Local government. The civil service. Lords and Commons. The rise of the Labour Party. The constitutional crisis of 1911. Ireland and Home Rule. Dominion status.

Recommended reading Reading lists will be distributed at the beginning of the course.

524 History of British Politics in the Twentieth Century

Mr Beattie, Mr Barnes and Dr Donoghue. Fifteen lectures of one-and-a-half hours, Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II: *The Politics and Government of the United Kingdom*, VIII 6 (second year).

Syllabus and recommended reading will be given at the beginning of the course.

525 The British Parliament

Mr Plowden. Five lectures, Lent Term.

For B.Sc. (Econ.) Part II: *The Politics and Government of the United Kingdom*, VIII 6 (second year).

Syllabus From divine right to welfare state: the changing role of Parliament. Ideas of representation, and the legitimacy of the executive. The rise of modern Parties; the positions of M.P.s, Cabinet, prime Minister, House of Lords. Changing conceptions of Parliamentary control; finance, legislation, administration; problems of ministerial responsibility. The place of Parliament in the age of universal

Government

suffrage and the mass media; Parliament and the political culture. Proposals for reform and their limitations.

Recommended reading L. S. Amery, *Thoughts on the Constitution*; W. Bagehot, *The English Constitution*; R. Bassett, *The Essentials of Parliamentary Democracy*; A. H. Birch, *Representative and Responsible Government*; J. P. Mackintosh, *The British Cabinet*; H. S. Morrison, *Government and Parliament*; P. G. Richards, *Honourable Members*; A. H. Hanson and H. V. Wiseman, *Parliament at Work*; R. T. McKenzie, *British Political Parties*; K. C. Wheare, *Government by Committee*; B. R. Crick, *The Reform of Parliament*; Hansard Society, *Parliamentary Reforms 1933-1958: A Survey of Suggested Reforms*; P. A. Bromhead, *The House of Lords and Contemporary Politics, 1911-1957*; B. Kemp, *King and Commons, 1660-1832*; A. H. Dodd, *The Growth of Responsible Government*; N. Gash, *Politics in the Age of Peel*; H. J. Hanham, *Elections and Party Management*; J. Vincent, *The Formation of the Liberal Party*; P. Einzig, *Control of the Purse*; B. Chubb, *Control of Public Expenditure*; G. Reid, *The Politics of Financial Control*; D. Coombes, *The M.P. and the Administration*; N. Johnson, *Parliament and Administration*; H. V. Wiseman, *Parliament and the Executive*; R. Butt, *The Power of Parliament* (2nd edn.); A. H. Hanson and B. Crick (Eds.), *The Commons in Transition*.

526 British Government and Bureaucracy

Professor Self and Dr G. W. Jones. Ten lectures of one-and-a-half hours, Lent Term.

For B.Sc. (Econ.) Part II: *The Politics and Government of the United Kingdom*, VIII 6 (second year); recommended for B.A./B.Sc. (Soc.) Branch III, 7a (second year).

Syllabus The relation between politics and administration in Britain. The central machinery of government and the factors which influence its structure. Patterns of devolution to public corporations and local authorities. The organization and character of the British Civil Service. Decision making in Whitehall and the

relation of policy making to execution. Administration, interest groups and public opinion. The place of management and financial control in the public service. The influence of science and technology upon British government. The education of administrators. Comparison with other governmental systems.

Recommended reading W. J. M. Mackenzie and J. W. D. Grove, *Central Administration in Britain*; F. M. G. Willson, *The Organisation of British Central Government 1914-64* (Ed. D. N. Chester); S. H. Beer, *Treasury Control*; E. E. Bridges, *The Treasury*; W. A. Robson (Ed.), *The Civil Service in Britain and France*; H. E. Dale, *The Personnel and Problems of the Higher Civil Service*; C. H. Sisson, *The Spirit of British Administration and Some European Comparisons*; K. C. Wheare, *Government by Committee*; F. M. G. Willson (Ed.), *Administrators in Action*; P. J. O. Self and H. J. Storing, *The State and the Farmer*; H. H. Eckstein, *Pressure Group Politics*; C. P. Snow, *Science and Government*; N. Walker, *Morale in the Civil Service*; A. Dunsire (Ed.), *The Making of an Administrator*; P. J. O. Self, *Bureaucracy or Management*.

527 British Political Parties and the Electorate

Mr Barnes. Eight lectures, Summer Term.

For B.Sc. (Econ.) Part II: *The Politics and Government of the United Kingdom*, VIII 6 (second year) and graduate students.

Syllabus and recommended reading will be given at the beginning of the course.

528 British Political Parties and the Electorate (Seminar)

Mr Pickles and Mr Barnes. Michaelmas Term.

For B.Sc. (Econ.) Part II: *The Politics and Government of the United Kingdom*, VIII 6 (second and third years) and graduate students.

Government

529 Politics and Government of the United Kingdom (Second Year) Class

Mr Beattie, Dr Donoughue and Mr Barnes, Michaelmas Term. Mr Barnes, Mrs Bennett and Dr G.F.D. Dawson, Lent Term. Professor Self, Mr Plowden and Dr Regan, Summer Term.

For B.Sc. (Econ.) Part II: *The Politics and Government of the United Kingdom*, VIII 6.

530 The Political Sociology of British Government

Dr Miliband. Ten lectures, Lent Term.

For M.Sc.: *Political Sociology*, XV 4; *Theories and Concepts of Political Sociology*, XIX 3xi; *Political Stability and Change*, XIX 3xii; *The Study of Political Behaviour*, XIX 3xiii. Recommended for B.Sc. (Econ.) Part II: *The Politics and Government of the United Kingdom*, VIII 6 (third year).

Syllabus An examination of some of the social and economic elements in British society which affect the character and operation of British Government.

Recommended reading will be given at the beginning of the course.

531 The Growth and Character of Local Government

Professor Self, Professor Griffith, Dr G. W. Jones and Dr Regan. Eighteen lectures, Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II: *Local Government of England and Wales*, VIII 3g (second year); Overseas Service Officers; Dip. Development Admin.; M.Sc.: *Administration in Regional and Urban Planning*, XIV 2. Recommended for B.A./B.Sc. (Soc.) Branch III, 7a (third year) and graduate students.

Syllabus Principles and practice of the system of local government in England and Wales, including historical development, the structure of local government, internal organization and administration, politics in local government, local finance, functions and areas, local government and

the community, regional government, the pattern of local-central relations, local government and politics in big cities, the administration of education, police and other local services, the reform of local government.

Recommended reading K. B. Smellie, *A History of Local Government*; J. Redlich and F. W. Hirst, *The History of Local Government in England* (Ed. B. Keith-Lucas); C. H. Wilson (Ed.), *Essays on Local Government*; P. G. Richards, *The New Local Government System*; R. M. Jackson, *The Machinery of Local Government*; J. G. Bulpitt, *Party Politics in English Local Government*; Mallaby Committee on Staffing, *Report*, 1967; Maud Committee on Management, *Report*, 1967; Evelyn Sharp, *The Ministry of Housing and Local Government*; J. A. G. Griffith, *Central Departments and Local Authorities*; J. M. Drummond, *The Finance of Local Government*; W. A. Robson, *Local Government in Crisis*; Royal Commission on Local Government in London, *Report*, 1960 (Cmnd. 1164); Royal Commission on Local Government in England, *Report*, 1969, Vols. I and II (Cmnd. 4040).

531(a) Class

Dr G. W. Jones and Dr Regan. Lent and Summer Terms in connection with Course No. 531.

For B.Sc. (Econ.) Part II: *Local Government of England and Wales*, VIII 3g (second year).

532 Aspects of Comparative Local Government

Dr G. W. Jones. Ten lectures, Lent Term.

For B.Sc. (Econ.) Part II: *Local Government of England and Wales*, VIII 3g (second year); Overseas Service Officers; Dip. Development Admin.; M.Sc.: *Theory and Practice of Public Administration*, XV 5. Recommended for other graduate students.

Syllabus A study of the local government systems of a number of countries both developed and underdeveloped. The organization, functions and areas of local

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authorities: their councils, internal arrangements, executives and administration. Politics, central-local relations, finance and the reform of local government. Planning: metropolitan and big-city government. The first four lectures will deal with the systems of local government in the U.S.A. and France.

Recommended reading S. Humes and E. M. Martin, *The Structure of Local Governments Throughout the World*; International Union of Local Authorities, *Local Government in the Twentieth Century*; *Local Government Finance*; A. H. Marshall, *Local Government in the Modern World*; H. F. Alderfer, *Local Government in Developing Countries*; M. J. Campbell, T. G. Brierly and L. F. Blitz, *The Structure of Local Government in West Africa*; Committee on the Management of Local Government, Vol. IV, *Local Government Administration Abroad*; G. S. Blair, *American Local Government*; B. Chapman, *Introduction to French Local Government*; W. A. Robson (Ed.), *Great Cities of the World*; A. H. Walsh, *The Urban Challenge to Government*. Other books and articles will be recommended at the beginning of the course.

533 Comparative Local Government

Dr G. W. Jones. Ten seminars, Lent Term.

For M.Sc.: *Theory and Practice of Public Administration*, XV 5.

534 Comparative Political Institutions

For B.Sc. (Econ.) Part II: *Comparative Political Institutions*, VIII 7 (second year).

(i) U.S.A.

Dr Letwin. Five lectures of one-and-a-half hours, Lent Term.

(ii) France

Dr Wright. Five lectures of one-and-a-half hours, Michaelmas Term.

(iii) U.S.S.R.

Mr Reddaway. Five lectures of one-and-a-half hours, Lent Term.

(iv) Introduction to the Methods of Comparison

Mr Wolf-Phillips. Five lectures of one-and-a-half hours, Lent Term.

(v) Selected Topics

Members of the department and others. Eight lectures of one-and-a-half hours, Summer Term.

534(a) Comparative Political Institutions (Second Year) Classes

Professor Schapiro and other members of the department. Summer Term.

For B.Sc. (Econ.) Part II: *Comparative Political Institutions*, VIII 7 (second year).

534(b) Comparative Political Institutions (Third Year) Classes

Professor Schapiro and other members of the department. Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II: *Comparative Political Institutions*, VIII 7 (third year).

535 Politics in New States (with special reference to Tropical Africa)

Mr Panter-Brick. Ten lectures, Michaelmas Term.

For M.Sc.: *The Politics and Government of Africa*, XV 6; *International Politics of an Approved Region*, X 7; B.Sc. (Econ.) Part II: *The Politics and Government of New and Emergent States*, VIII 8c (third year); M.A. Area Studies—Africa.

Syllabus The problem of establishing political authority in a new state, considered analytically and historically. The use made of typologies in explaining the new political system; recent criticisms of these typologies. The role of ideology and theories of elites applied to the politics of new states. An examination of current problems and recent trends, especially

Government

military intervention, representative institutions, efficient administration.

Recommended reading L. P. Mair, *New Nations*; R. Emerson, *From Empire to Nation*; A. R. Zolberg, *One-Party Government in the Ivory Coast*; A. R. Zolberg, *Creating Political Order*; J.S. Coleman and C. G. Rosberg (Eds.), *Political Parties and National Integration in Tropical Africa*; W. J. Hanna (Ed.), *Independent Black Africa*; E. Shils, *Political Development in the New States*; Van Den Berghe, *Africa: Social Problems of Change and Conflict*; J. La Palombara, *Bureaucracy and Political Development*; T. Hodgkin, *Nationalism in Colonial Africa*; T. Hodgkin, *African Political Parties*; C. Geertz (Ed.), *Old Societies and New States*; D. E. Apter, *The Politics of Modernisation*; D. E. Apter, *Ghana in Transition*; S. P. Huntington, "Political Development and Political Decay" (*World Politics*, January, 1965); C. S. Whitaker Jr., "A Dysrhythmic Process of Political Change" (*World Politics*, January, 1967); D. A. Rustow, *A World of Nations*; M. Kilsen, *Political Change in a West African State: Sierra Leone*; P. C. Lloyd, *Africa in Social Change*; M. Janowitz, *The Military in the Political Development of New Nations*; J. M. Lee, *African Armies and Civil Order*; W. Gutteridge, *The Military in African Politics*; S. Andreski, *The African Predicament: A Study in the Pathology of Modernisation*; S. K. Panter-Brick (Ed.), *Nigerian Politics and Military Rule*; S. Huntington, *Political Order in Changing Societies*; G. L. Almond and J. S. Coleman, *The Politics of the Developing Areas*.

536 Politics and Government of New and Emergent States (Class)
Mr Panter-Brick. Lent Term.
For B.Sc. (Econ.) Part II: *The Politics and Government of New and Emergent States in former British and French Africa*, VIII 8c (third year).

537 Politics and Government of France
Mr Pickles and Dr Wright. Twenty lectures, Michaelmas and Lent Terms.
For B.Sc. (Econ.) Part II: *The Politics and*

Government of a Foreign Country, VIII 8c (second year).

Syllabus and recommended reading will be given at the beginning of the course.

538 Politics and Government of the U.S.A.

Dr Letwin. Twenty lectures, Lent and Summer Terms.

For B.Sc. (Econ.) Part II: *The Politics and Government of a Foreign Country*, VIII 8c (second year).

Syllabus and recommended reading will be given at the beginning of the course.

538(a) Class

Dr Letwin. Fortnightly, Michaelmas and Lent Terms, in connection with Course No. 538.

For *third-year* students.

539 Politics and Government of Russia

Professor Schapiro. Twenty lectures, Lent and Summer Terms.

For B.Sc. (Econ.) Part II: *The Politics and Government of a Foreign Country*, VIII 8c (second year).

Syllabus and recommended reading will be given at the beginning of the course.

539(a) Class

Mrs de Kadt. Fortnightly, Lent and Summer Terms, in connection with Course No. 539.

For *second-year* students.

539(b) Class

Professor Schapiro and Mr Reddaway. Fortnightly, Michaelmas and Lent Terms, in connection with Course No. 539.

For *third-year* students.

Government

540 Politics and Government of Scandinavia (Denmark, Norway and Sweden)

Dr G. F. D. Dawson. Twenty lectures, Lent and Summer Terms.

For B.Sc. (Econ.) Part II: *The Politics and Government of a Foreign Country*, VIII 8c (second year).

Syllabus and recommended reading will be given at the beginning of the course.

540(a) Class

Dr G. F. D. Dawson. Fortnightly, Summer Term, in connection with Course No. 540.

For *second-year* students.

540(b) Class

Dr G. F. D. Dawson. Fortnightly, Michaelmas Term, in connection with Course No. 540.

For *third-year* students.

GRADUATE COURSES (B)

541 Politics and Government of the United Kingdom (Seminar)

Mr Beattie, Dr Donoughue, Mr Barnes and Mr Plowden. Sessional.

For M.Sc.: *Politics and Government of the United Kingdom*, XV 2.

542 Comparative Government (Seminar)

Professor Schapiro, Mr Pickles and Mr Wolf-Phillips. Sessional.

For M.Sc.: *Comparative Government*, XV 3.

543 Political Change and Political Development

Mr Stewart. Eight lectures, Michaelmas Term.

For M.Sc.: *Theories and Concepts of Political Sociology*, XV 4; XIX 3xi;

Political Stability and Change, XV 4; XIX 3xii and other graduate students.

Syllabus Current sociological and political theories will be examined in so far as they contribute to a theory of social and political change.

Recommended reading W. Kornhauser, *The Politics of Mass Society*; K. W. Deutsch, *Nationalism and Social Communication*; K. Mannheim, *Ideology and Utopia*; R. Dahrendorf, *Class and Class Conflict in Industrial Society*; G. Lichtheim, *Marxism*; M. Weber, *The Theory of Social and Economic Organization*; H. Marcuse, *Reason and Revolution*; J. A. Schumpeter, *Capitalism, Socialism and Democracy*; G. Simmel, *Conflict*; Barrington Moore, Jr., *Social Origins of Dictatorship and Democracy*; D. E. Apter, *The Politics of Modernisation*; F. Neumann, *Behemoth*; F. Schurmann, *Ideology and Organisation in Communist China*; C. Johnson, *Peasant Nationalism and Communist Power*; E. H. Carr, *The Bolshevik Revolution* (Vols. 1-3); T. Parsons, *The Social System*.

544 Theories and Concepts of Political Sociology

(i) Dr Miliband and Mr Stewart. Ten lectures, Michaelmas Term.

(ii) Students must also attend Course No. 849.

For M.Sc.: *Theories and Concepts of Political Sociology*, XV 4; XIX 3xi; *Political Stability and Change*, XV 4; XIX 3xii; *Political Behaviour*, XV 4; XIX 3xiii.

In addition students are referred to Course No. 872.

Recommended reading will be given at the beginning of the course.

545 Theories and Concepts of Political Sociology (Seminar)

Professor McKenzie, Dr Miliband and Mr Stewart. Lent and Summer Terms.

For M.Sc.: *Theories and Concepts of Political Sociology*, XV 4; XIX 3xi; *Political Stability and Change*, XV 4; XIX 3xii; *Political Behaviour*, XV 4; XIX 3xiii.

Government

546 Political Change and Political Development (Seminar)

Mr Madian and Mr Stewart. Fifteen meetings, Lent and Summer Terms.

For M.Sc.: *Theories and Concepts of Political Sociology*, XV 4; XIX 3xi; *Political Stability and Change*, XV 4; XIX 3xii.

547 The Aims and Methods of Governmental Planning

Professor Self. Eight lectures, Michaelmas Term.

For M.Sc.: *Theory and Practice of Public Administration*, XV 5; *Administration in Regional and Urban Planning*, XIV 2 and other graduate students; Dip. Development Admin. Optional for B.Sc. (Econ.) Part II: special subject Government (second year); Dip. Soc. Admin. (second year); Dip. Soc. Admin., including Overseas Option (one-year).

Syllabus The modern scope of state activity. Theories of democratic planning and of the relations between the economic process and the political process. Types and levels of governmental planning. The location and functioning of planning units, and the organization of planning machinery. The relationship of plans to administrative action and co-ordination. The contribution of social sciences to planning. Methods of planning and the implementation of plans.

Recommended reading will be announced weekly.

547(a) The Machinery of Governmental Planning (Seminar)

Professor Self and Dr G. W. Jones. Michaelmas Term, in conjunction with Course No. 547.

For Dip. Development Admin.; M.Sc.: *Theory and Practice of Public Administration*, XV 5; *Administration in Regional and Urban Planning*, XIV 2.

Syllabus The seminar will discuss the organization of governmental planning in a number of countries developed and developing.

548 An Introduction to Administrative Theories

Professor Self and Dr Regan. Ten lectures, Summer Term.

For M.Sc.: *Theory and Practice of Public Administration*, XV 5; B.A./B.Sc. (Soc.) Branch III 7a (second year) and other graduate and undergraduate students interested.

Syllabus An introduction to the theoretical approach to public administration, including concepts of scientific management, organization theories and administrative sociology. Administrative issues considered in the light of theories.

Recommended reading P. Meyer, *Administrative Organisation*; L. Gulick and L. Urwick, *Papers on the Science of Administration*; H. A. Simon, *Administrative Behaviour* (2nd edn.); Rosemary G. Stewart, *The Reality of Management*; G. C. Milward (Ed.), *Large-Scale Organisations*; Mason Haire (Ed.), *Modern Organisation Theory*; J. G. March and H. A. Simon, *Organisations*; K. Boulding, *The Organisational Revolution*; H. A. Simon, D. W. Smithburg and V. A. Thomson, *Public Administration*; D. Waldo, *The Administrative State*; R. Likert, *New Patterns of Management*; G. Vickers, *The Art of Judgement*; *Towards a Sociology of Management*. Further reading will be given during the course.

549 Urban and Regional Planning: Politics and Administration

Professor Self, Dr G. W. Jones, Dr Regan and Dr Levin. Sixteen lectures, Michaelmas and Lent Terms.

For M.Sc.: *Administration in Regional and Urban Planning*, XIV 2; *Housing and Town Planning*, XVI 2(iv).

Syllabus (a) The history and development of urban and regional planning. The evolution of public policies, legislation and government organization.

(b) The present system of planning administration, including plan making and implementation, and central-local relations.

Government

(c) The politics of urbanisation and of the planning process.
(d) The relation of planning to housing and to social policies. The uses of planning research. The planning profession.
(e) Theories of the purposes and character of urban and regional planning. Methods of regional planning. Comparisons between British and other systems.

A TOWN AND COUNTRY PLANNING
A. Altshuler, *The City Planning Process*; W. Ashworth, *The Genesis of Modern British Town Planning*; J. B. Cullingworth, *Town and Country Planning in England and Wales* (2nd edn.); D. Foley, *Controlling London's Growth*; H. J. Gans, *People and Plans*; S. Greer, *The Emerging City*; J. A. G. Griffith, *Central Departments and Local Authorities* (chap. 5); Peter Hall, *London 2,000* (2nd edn.); D. Heap, *An Outline of Planning Law* (5th edn.); Jane Jacobs, *The Life and Death of Great American Cities*; D. R. Mandelker, *Green Belts and Urban Growth*; M. Meyerson and E. Banfield, *Politics, Planning and Public Interest*; Ministry of Housing and Local Government, *The Future of Development Plans*; F. J. Osborn and A. Whittick, *New Towns: The Answer to Megalopolis*; F. F. Rabinovitz, *City Politics and Planning*; P. Self, *Cities in Flood: the Problems of Urban Growth* (2nd edn.); Skeffington Committee, *People and Planning*; J. Tetlow and A. Goss, *Homes, Towns and Traffic* (2nd edn.).

B REGIONAL AND ECONOMIC PLANNING
J. R. Boudeville, *Regional Economic Planning*; G. C. Cameron and B. D. Clark, *Industrial Movement and the Regional Problem*; G. C. Cameron and G. L. Reid, *Scottish Economic Planning and the Attraction of Industry*; R. E. Dickinson, *The City Region in Western Europe*; J. Friedman and W. Alonso, *Regional Development and Planning*; J. and A. M. Hackett, *Economic Planning in France*; N. M. Hansen, *Regional Planning in France*; Hunt Committee, *The Intermediate Areas* (Cmnd. 3998); G. McCrone, *Regional Policy in Britain*; Joan Mitchell, *Groundwork to Economic Planning*; G. Myrdal, *Economic Theory and Underdeveloped Regions*; F. Oules, *Economic Planning and Democracy*; S. C. Orr and J. B. Cullingworth (Eds.),

Regional and Urban Studies; P.E.P., *Regional Development in the European Economic Community*; B. C. Smith, *Regionalism in England*, 3 Vols.; J. Tinbergen, *Central Planning*; T. Wilson, *Papers on Regional Development*; *Policies on Regional Development*.

549(a) Urban and Regional Planning: Politics and Administration (Seminar)

Professor Self, Dr G. W. Jones and Dr Regan. Michaelmas and Lent Terms.

For M.Sc.: *Administration in Regional and Urban Planning*, XIV 2. Other students may attend only by permission.

550 Public Enterprise

Professor Robson. Eight lectures, Michaelmas Term.

For M.Sc.: *Theory and Practice of Public Administration*, XV 5; Dip. Development Admin. Also for B.Sc. (Econ.) Part II: *The Politics and Government of the U.K.*, VIII 6 (third year).

Syllabus The distinctive features of public enterprise. Ideological and material influences determining the extent and scope of public enterprise in different countries. The principal spheres of public undertakings. The motives of State intervention. The role of public enterprise in a mixed economy.

The principal types of institution used for administering public enterprises. Government departments, local authorities, joint stock companies etc. The public corporation: its constitutional, political, legal, financial and administrative characteristics. The Governing Board. The theory and practice of public corporations. Mixed enterprise. International public enterprise and mixed enterprise.

The organization and management of public undertakings. Types of structure. Control and accountability. Relations with Parliament, ministers, the courts etc. Consumers and consumer councils. Labour relations and joint consultation. Competition, conflict and monopoly in the public sector.

Government

The aims and purposes of public enterprise. Rival concepts. The criteria of performance. Favourable and adverse conditions for the operation of public enterprise. Recent developments and new approaches.

Recommended reading W. A. Robson, *Nationalized Industry and Public Ownership*; W. A. Robson (Ed.), *Public Enterprise*; W. A. Robson (Ed.), *Problems of Nationalized Industry*; A. H. Hanson (Ed.), *Nationalization*; A. H. Hanson, *Parliament and Public Ownership*; A. H. Hanson, *Public Enterprise and Economic Development*; M. Shanks (Ed.), *The Lessons of Public Enterprise*; M. V. Posner and S. J. Woolf, *Italian Public Enterprise*; J. Jewkes, *Public and Private Enterprise*; A. Chazel and H. Poyet, *L'Economie Mixte*; D. Coombes, *The Member of Parliament and the Administration*; A. Shonfield, *Modern Capitalism*; W. Thornhill, *The Nationalised Industries*; Select Committee on Nationalised Industries, *Report on the Post Office, 1967*; *Report on Ministerial Control*, session 1967-68; See also articles on this Report by W. A. Robson in *The Political Quarterly*, January-March 1969 and October-December 1969. G. S. Bhalla, *Financial Administration of Nationalised Industries in U.K. and India*.

551 Problems of Public Enterprise (Seminar)

Professor Robson. Michaelmas Term.
For M.Sc.: *Theory and Practice of Public Administration*, XV 5.
Undergraduates may be admitted by permission.

552 Public Administration (Seminar)

Professor Self, Professor Griffith, Dr G. W. Jones and Dr Regan. Sessional.
For M.Sc.: *Theory and Practice of Public Administration*, XV 5.

553(i) The British Civil Service (Seminar)

Professor Self and Dr Regan. Lent Term.
For graduate and other students interested. Recommended for B.Sc.

(Econ.) Part II: special subject Government (third year); M.Sc.: *Theory and Practice of Public Administration*, XV 5. The seminar will include contributions from senior Civil Servants and others with experience of the workings of government.

553(ii) Local Government (Seminar)

Dr G. W. Jones. Summer Term.
For graduate and other students interested. Recommended for B.Sc. (Econ.) Part II: special subject Government (second year); M.Sc.: *Theory and Practice of Public Administration*, XV 5.
Contributors will include those with experience of local government.

554 International Politics of Africa

Mr Panter-Brick and Mr Mayall. Ten lectures, Michaelmas Term.

For M.Sc.: *International Politics of Africa*, XI 7; *Politics and Government of Africa*, XV 6; M.A. Area Studies—Africa.

Syllabus The various groupings, associations and alignments within the Pan-African movement. Problems of national integration and of state frontiers. The present basis, character and extent of inter-state co-operation. The concepts of non-alignment, neutralism and neo-colonialism. Special relationships with the Commonwealth, Britain, France, the European Economic Community. Problems concerning foreign trade and foreign aid. Policies within the United Nations. Great Power policies towards Africa.

Recommended reading C. Legum, *Pan-Africanism*; Doudou Thiam, *The Foreign Policy of African States*; L. Senghor, *On African Socialism*; R. C. Lawson, *International Regional Organisations Part V: Africa*; N. J. Padelford and R. Emerson (Eds.), *Africa and World Order*; V. McKay (Ed.), *African Diplomacy: Studies in the Determinants of Foreign Policy*; A. Quaison-Sackey, *Africa Unbound*; G. Padmore, *Pan-Africanism or Communism*; K. Nkrumah, *Africa Must Unite*; I. Wallerstein, *Africa: the Politics*

Government

of Unity; Ali Mazrui, *Towards a Pax Africana*; I. W. Zartman, *International Relations in the New Africa*; P. Okigbo, *Africa and the Common Market*; A. Hazlewood (Ed.), *African Integration and Disintegration*; Z. Cervenka, *The Organisation of African Unity and its Charter*; C. G. Widstrand, *African Boundary Problems*; G. de Lusignan, *French Speaking Africa since Independence*; Z. Bezanski, *Africa and the Communist World*; A. Tevoedjre, *Pan Africanism in Practice*; P. Robson, *Economic Integration in Africa*.
For articles consult *International Affairs*; *World Today*; *International Organisation*; *Journal of Modern African Studies* and *Africa Report*.

Students should also attend Course No. 618 Foreign Relations of African States.

555 Politics in Africa (Seminar)

Mr Panter-Brick, Professor I. M. Lewis and Professor Gellner. Fortnightly, Lent and Summer Terms.

An interdisciplinary seminar for graduate students of Politics, Anthropology or Sociology, work in the field of African politics.

556 Politics and Government of Scandinavia (Seminar)

Dr G. F. D. Dawson. Fortnightly, Sessional.
For M.Sc.: *Politics and Government of an Approved Country*, XV 6.
Students may have difficulty without at least some knowledge of one of the Scandinavian languages.

557 Soviet Problems

Professor Schapiro and Mr Reddaway will hold a weekly seminar throughout the session on current political problems and on historical questions in the Soviet

and Communist orbit for graduates working under their supervision. Others may attend by invitation only.

558 Russian Politics and Political Thought (Seminar)

Professor Schapiro, Mr Reddaway and Mrs de Kadt. Sessional.
For M.Sc.: *Politics and Government of an Approved Country*, XV 6 and other graduate students.
The seminar will be concerned mainly with the syllabus for M.Sc.: *The Politics and Government of Russia*, but other interested graduate students may attend by arrangement.

559 Problems of Contemporary Socialism (Seminar)

Dr Miliband. Lent Term.
For graduate students in Government and Sociology. Other graduate students may be admitted by permission of Dr Miliband.
Syllabus Some problems of socialist theory and practice in Western and Communist societies and in countries of the "Third World".

560 Seminar

Professor Greaves. Michaelmas and Lent Terms, on a subject to be arranged.
For graduate students.

561 Politics and Government of the Middle East

Professor Kedourie. Ten lectures, Summer Term. This course will not be given in the session 1970-71.
For graduate students and others interested in the subject.
Syllabus Islamic political thought and traditions of government. The breakdown of the old order. The Ottoman Reform and its outcome: society and government in the Ottoman Empire and Egypt in the nineteenth century. Islamic Reform. Nationalism, Muslims and non-Muslims.

Government

The Persian Revolution, 1906 and the Young Turk Revolution, 1908-9. The destruction of the Ottoman Empire. The successor states. Constitutionalism and authoritarianism. Pan-Arabism and Zionism.

Recommended reading C. C. Adams, *Islam and Modernism in Egypt*; G. Antonius, *The Arab Awakening*; T. W. Arnold, *The Caliphate* (2nd edn., 1965); N. Berkes, *The Development of Secularism in Turkey*; M. H. Bernstein, *The Politics of Israel*; E. G. Browne, *The Persian Revolution*; R. H. Davison, *Reform in the Ottoman Empire 1856-1876*; C. N. E. Eliot, *Turkey in Europe*; H. W. G. Glidden, "Arab Unity: Ideal and Reality" in J. Kritzeck and B. Winder (Eds.), *The World of Islam*; S. G. Haim, *Arab Nationalism*; A. Hourani, *Arabic Thought in the Liberal Age, 1798-1939*; A. Hertzberg, *The Zionist Idea*; J. C. Hurewitz, *The Struggle for Palestine*; K. Karpat, *Turkey's Politics*; E. Kedourie, *England and the Middle East; The Chatham House Version; Afghani and 'Abduh*; A. K. S. Lambton, *Islamic Society in Persia*; W. Z. Laqueur (Ed.), *The Middle East in Transition*; B. Lewis, *The Emergence of Modern Turkey*; A. H. Lybyer, *The Government of the Ottoman Empire in the time of Suleiman the Magnificent*; R. Montagne, "The Modern State' in Africa and Asi a" (*The Cambridge Journal*, 1952); E. E. Ramsaur, *The Young Turks*; P. Rondot, *Les Institutions Politiques du Liban*; E. I. J. Rosenthal, *Political Thought in Medieval Islam*; Kamal Salibi, *The Modern History of Lebanon*; D. de Santillana, "Law and Society" in *The Legacy of Islam*; G. E. von Grunebaum, *Islam* (2nd edn., 1961); *Modern Islam*; D. Warriner, *Land and Poverty in the Middle East*; J. Weulersse, *Paysans de Syrie et du Proche-Orient* (Bk. 1, chap. 2).

562 Government and Politics in Latin America

Mr Moseley-Williams. Fifteen lectures, Michaelmas and Lent Terms.

For graduate students. Also recommended for B.Sc. (Econ.) Part II: *Comparative Political Institutions*, VIII 7 (second and third years).

Syllabus Political institutions, parties and major elites of the countries of Latin America.

Recommended reading will be given at the beginning of the course.

563 Contemporary Politics in Selected Latin American Countries

Mr Moseley-Williams. Ten seminars, Lent and Summer Terms.

For graduate students. Undergraduates may be admitted by arrangement.

Syllabus These seminars will deal with the political processes of Chile, Mexico, Argentina, Peru and Cuba and will discuss issues such as those of peasants and land reform, the involvement of the military in politics and social revolution, as well as focusing on the political parties and elites of the different states.

564 Government Regulation of Industry in the U.S.A. (Seminar)

Dr Letwin. Fortnightly, Lent and Summer Terms. This course will be given in the session 1970-71 only if there is sufficient demand.

For graduate students, particularly in Economic History and Government.

International Relations

580 Structure of International Society

Professor Goodwin. Twenty lectures, Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part I: alternative subject 7, *Structure of International Society*.

Syllabus The purpose of this course is to promote a deeper understanding of international relations. It will examine the context within which sovereign States are able to engage in continuous and complex relations with one another, discuss the character of those relations, analyse the ingredients of foreign policy and the means by which it is executed, enquire into the circumstances which engender harmony and discord between States, and consider some proposals which have been made for the better ordering of the international society.

Recommended reading J. L. Briery, *The Law of Nations* (6th edn.); H. Butterfield, *Christianity, Diplomacy and War* (3rd edn.); E. H. Carr, *International Relations Between Two World Wars*; E. H. Carr, *The Twenty Years' Crisis*; I. L. Claude, *Swords into Plowshares* (3rd edn.); G. Connell-Smith, *Pattern of the Post-War World*; W. T. R. Fox (Ed.), *Theoretical Aspects of International Relations*; J. Frankel, *International Relations*; L. J. Halle, *The Nature of Power*; F. H. Hartmann, *The Relations of Nations*; J. H. Herz, *International Politics in the Atomic Age*; K. J. Holsti, *International Politics*; R. C. Macridis (Ed.), *Foreign Policy in World Politics* (2nd edn.); C. A. W. Manning, *The Nature of International Society*; H. J. Morgenthau, *Politics Among Nations* (3rd edn.); K. N. Waltz, *Man, The State, and War*; G. Barraclough, *An Introduction to Contemporary History*.

580(a) Structure of International Society (Class)

Members of the department. Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part I: alternative subject 7, *Structure of International Society*.

581 The International Political System

Professor Northedge. Fifteen lectures, Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II: *International Politics*, XII 5; XIV 3b; XV 5 and 6g (second year); B.Sc. Geog. C 401; M.Sc.: *International Politics*, XI 1; *The Foreign Policies of the Powers*, XI 2; *International Politics of an Approved Region*, XI 7 and other graduate students.

Syllabus The emergence and organization of the modern system of sovereign States. The political processes in the international community and contemporary thought on its character and functioning. The external needs of States and goals of State activity. The means of pressure and the forms of political relationship between States. The dynamic aspect: revolutionary movements, the external projection of political values and the changing distribution of power and leadership. War as a contingency of international life. Mechanisms for securing stability and agencies for directed change.

Recommended reading S. Hoffmann (Ed.), *Contemporary Theory in International Relations*; H. and M. Sprout, *Foundations of International Politics*; M. A. Kaplan (Ed.), *The Revolution in World Politics*; F. H. Hinsley, *Power and the Pursuit of Peace*; R. Niebuhr, *The Structure of Nations and Empires*; E. M. Winslow, *The Pattern of Imperialism*; H. Seton-Watson, *The New Imperialism*; R. Emerson, *From Empire to Nation*; A. Cobban, *National Self-Determination*; C. J. H. Hayes, *The Historical Evolution of Modern Nationalism*; I. Claude, *Power and International Relations*; F. H. Hartmann, *The Relations of Nations* (2nd edn.); A. B. Bozeman, *Politics and Culture in International History*; L. J. Halle, *The Nature of Power*; E. V. Gulick, *Europe's Classical Balance of Power*; B. Moore, *Soviet Politics: the Dilemma of Power*; G. A. Lipsky (Ed.), *Law and Politics in the World Community*; N. Ørvik, *The Decline of Neutrality*; C. L. Robertson, *International Politics Since World War II*; A. Wolfers, *Discord and Collaboration*; R. Aron, *Peace and War*; K. J. Holsti, *International Politics*.

International Relations

581(a) International Politics (Class)
Professor Northedge, Mr James, Mr Mayall and Mr G. H. Stern. Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II: *International Politics*, XII 5 (second year); XIV 3b; XV 5 and 6g (third year); B.Sc. Geog. C 401.

582 Foreign Policy Analysis

Mr Donelan. Ten lectures, Lent and Summer Terms.

For B.Sc. (Econ.) Part II: *Foreign Policy Analysis*, XII 6 (second year); M.Sc.: *International Politics*, XI 1; *The Foreign Policies of the Powers*, XI 2 and other graduate students.

Syllabus A discussion of the nature of foreign policy as an activity. Such aspects as the following will be considered: the terms used in the analysis and practice of foreign policy; purposes, aims and determinants of foreign policy; internal and external influences; problems of co-operation, conflict and dispute with other states; methods of implementing foreign policy; problems of organization.

Recommended reading F. S. Northedge (Ed.), *The Foreign Policies of the Powers*; J. Frankel, *The Making of Foreign Policy*; P. Renouvin and J. B. Duroselle, *An Introduction to the History of International Relations*; C. B. Marshall, *The Limits of Foreign Policy*; L. J. Halle, *The Nature of Power*; H. Nicolson, *Diplomacy*; S. D. Kertesz and M. A. Fitzsimmons (Eds.), *Diplomacy in a Changing World*; R. Osgood and R. Tucker, *Force, Order and Justice*; M. Beloff, *Foreign Policy and Democratic Politics*; K. London, *The Making of Foreign Policy, East and West*; V. McKay (Ed.), *African Diplomacy*.

583 The Foreign Policies of the Powers

Members of the department and Mrs Pickles. Thirty lectures, Lent and Summer Terms.

For B.Sc. (Econ.) Part II: *Foreign Policy Analysis*, XII 6 (second year); M.Sc.:

International Politics XI 1; *International Politics of an Approved Region*, XI 7; *The Foreign Policies of the Powers*, XI 2 and other graduate students.

Syllabus An analysis of the foreign policies of a selected group of major States, with due regard to their respective national interests, external commitments, traditional values and other relevant factors. The role of internal group interests and electoral considerations. Constitutional machinery for the formulation of foreign policy. Diplomatic services and techniques. Illustrative material will be drawn mainly from the post-1945 period. The United States, the United Kingdom, the Soviet Union, France, China, India and the German Federal Republic will be considered in the session 1970-71.

Recommended reading

(a) THE UNITED STATES: J. W. Spanier, *American Foreign Policy since World War II*; G. A. Almond, *The American People and Foreign Policy*; D. S. Cheever and H. F. Haviland, *American Foreign Policy and the Separation of Powers*; C. V. Crabb, *American Foreign Policy in the Nuclear Age*; M. D. Donelan, *The Ideas of American Foreign Policy*; D. Cater, *Power in Washington*; C. Bell, *Negotiation from Strength*; B. Sapin, *The Making of United States Foreign Policy*; A. M. Schlesinger, Jr., *The Bitter Heritage*; A. M. Scott and R. H. Dawson, *Readings in the Making of American Foreign Policy*.
(b) THE UNITED KINGDOM: Lord Strang, *Britain in World Affairs*; Lord Strang, *The Foreign Office*; F. S. Northedge, *British Foreign Policy, 1945-1961*; D. G. Bishop, *The Administration of British Foreign Relations*; F. S. Northedge, *The Troubled Giant*.

(c) THE SOVIET UNION: K. and I. Hulicka, *Soviet Institutions, the Individual and Society*; I. Lederer (Ed.), *Soviet Foreign Policy*; R. Pethybridge, *A Key to Soviet Politics*; J. F. Triska and D. D. Finley, *Soviet Foreign Policy*; A. B. Ulam, *Expansion and Co-existence*.

(d) FRANCE: E. M. Carroll, *French Public Opinion and Foreign Affairs, 1870-1914*; C. de Gaulle, *Mémoires de Guerre*, three vols., *L'Appel, L'Unité, Le Salut* (also available in English translation); J. Furniss, *France, Troubled Ally*; W. W. Kulski, *De Gaulle*

International Relations

and the World; A. Grosser, *Foreign Policy Under de Gaulle*.

(e) CHINA: J. Chen, *Mao and the Chinese Revolution*; S. R. Schramm, *Political Thought of Mao Tse-Tung*; D. Barnett, *Communist China and Asia*; D. Zagoria, *The Sino-Soviet Conflict*; A. M. Halpern, *Policies Towards China*; C. P. Fitzgerald, *The Chinese View of their Place in the World*.

(f) INDIA: A. Appadorai, "The Foreign Policy of India" in J. E. Black and K. W. Thompson (Eds.), *Foreign Policies in a World of Change*; A. Appadorai, "Indian Diplomacy" in S. D. Kertesz and M. A. Fitzsimmons (Eds.), *Diplomacy in a Changing World*; J. S. Bains, *India's International Disputes*; J. V. Bondurant, *Conquest of Violence: The Gandhian Philosophy of Conflict*; R. N. Berkes and M. S. Bedi, *Diplomacy of India*; M. Brecher, *Nehru, a Political Biography*; C. A. Fisher, *South-East Asia: A Social, Economic and Political Geography*; A. Lamb, *The China-India Border*; K. Satchidananda Murty, *Indian Foreign Policy*; J. Nehru, *An Autobiography*; J. Nehru, *The Discovery of India*; J. Nehru, *Speeches* (various edns., but especially the single-volume collection, 1947-1961); Lok Sabha Secretariat, *Foreign Policy of India*, Texts of Documents, 1947-1959; T. G. P. Spear, *India: A Modern History*.

(g) WEST GERMANY: H. Speier (Ed.), *West German Leadership and Foreign Policy*; R. Hiscocks, *Democracy in Western Germany*; A. Grosser, *Western Germany*; K. Deutsch and L. Edinger, *Germany Rejoins the Powers*; G. Freund, *Germany between Two Worlds*; H. Plessner, *Die verspätete Nation*.

(h) INDONESIA: G. Mc.T. Kahin, *Nationalism and Revolution in Indonesia*; A. M. Taylor, *Indonesian Independence and the U.N.*; L. H. Palmier, *Indonesia and the Dutch*; A. Lijphart, *The Trauma of Decolonization: The Dutch and West New Guinea*; G. Modelski (Ed.), *The New Emerging Forces*; A. C. Brackman, *Southeast Asia's Second Front*; D. E. Weatherbee, *Ideology in Indonesia: Sukarno's Indonesian Revolution*; F. B. Weinstein, *Indonesia Abandons Confrontation*.

583(a) Foreign Policy Analysis (Class)

Mr Donelan, Dr C. M. Bell and Mr G. H. Stern. Lent and Summer Terms, beginning in the sixth week of the Lent Term.

583(b) Sino-American Relations

Mr Kalicki. Five lectures, Summer Term.

Syllabus China and the West; the clash of values. The traditional modes of Sino-American relations. The crisis mode of Sino-American relations. China, the United States and the international system.

Recommended reading J. K. Fairbank, *The United States and China* (1958 edn.); H. Feis, *The China Tangle: The American Efforts in China from Pearl Harbor to the Marshall Mission*; Fred Greene, *U.S. Policy and the Security of Asia*; A. W. Griswold, *The Far Eastern Policy of the United States*; Richard Harris, *America and East Asia: A New 30 Years War?*; A. Huck, *The Security of China: Chinese Approaches to Problems of War and Strategy*; G. F. Kennan, *American Diplomacy, 1900-1950*; Ssu-yü Teng and J. K. Fairbank (Eds.), *China's Response to the West: A Documentary Survey 1839-1923*; A. T. Steele, *The American People and China*; A. S. Whiting, *China Crosses the Yalu: The Decision to Enter the Korean War*.

584 New States in World Politics

Dr Lyon. Ten lectures, Lent Term.

For B.Sc. (Econ.) Part II: *International Politics*, XII 5; XIV 3b; XV 5 and 6g (second year); M.Sc.: *International Politics*, XI 1; *The Foreign Policies of the Powers*, XI 2; *International Politics of an Approved Region*, XI 7 and other graduate students.

Syllabus The central theme of the course will be the part played by new states in international order. Modern international history presents three main waves of new state making and these have each been consequent upon the collapse of imperial orders: (1) in Latin America in the early

International Relations

nineteenth century; (2) in Eastern Europe at the end of the First World War and in its aftermath; (3) in Asia and Africa, and elsewhere, since 1945. This course will mostly be concerned with the third of these phases, but it will begin by looking briefly at the two earlier phases to provide a historical perspective and some bases for comparison.

Recommended reading C. E. Black, *The Dynamics of Modernization, A Study in Comparative History*; P. Calvocoressi, *New States and World Order*; K. W. Deutsch and W. S. Foltz (Eds.), *Nation-Building*; S. E. Finer, *The Man on Horseback*; S. Huntington, "Political Development and Political Decay" (*World Politics*, April 1965); P. H. Lyon, *Neutralism*; F. R. von der Merden, *Politics of Developing Nations*; J. D. B. Miller, *The Politics of the Third World*; W. C. McWilliams, *Garrisons and Government, Politics and the Military in New States*; D. Rustow, *A World of Nations*; D. Apter, *The Politics of Modernization*; G. H. Jansen, *Afro-Asia and Non-Alignment*; E. Kedourie, *Nationalism*.

585 The International Relations of Southern Asia

Dr Leifer. Ten lectures, Michaelmas Term.

For M.Sc.: *International Politics of Southern Asia*, XI 7; *The Foreign Policies of the Powers*, XI 2 and other graduate students.

Syllabus Regional conventions and political realities. World order and regional order. Transfers of power and problems of international status. Great powers' interests and sponsorship: (i) Communist ideas and practice (ii) The American alliance system. Asian responses: alignments and non-alignment. Irredenta, ideology and intraregional conflicts. Internal war and external intervention. National security and intraregional association.

Recommended reading M. Brecher, *The New States of Asia*; G. Myrdal, *Asian Drama*, Vol. I; D. E. Kennedy, *The Security of Southern Asia*; C. B. McLane, *Soviet Strategies in S.E. Asia*; H. C.

Hinton, *Communist China in World Politics*; R.I.I.A., *Collective Defence in S.E. Asia*; G. Modelski (Ed.), *SEATO: Six Studies*; F. Greene, *U.S. Policy and The Security of Asia*; B. K. Gordon, *The Dimensions of Conflict in S.E. Asia*; W. Levi, *The Challenge of World Politics in South and Southeast Asia*; P. H. Lyon, *War and Peace in S.E. Asia*; G. H. Jansen, *Afro-Asia and Non-Alignment*; A. Lamb, *Asian Frontiers*.

586 The Great Powers and the Middle East

Mr Evron. Five lectures, Summer Term.

For undergraduate and graduate students interested.

Syllabus A survey and analysis of the contemporary significance of the Middle East within a context of great power relations. Concentration upon basic Soviet-American interests and relations in the area (including the Mediterranean), and exploration of the impact of France, Britain and China upon the central pattern of great power involvement.

Recommended reading will be given at the beginning of the course.

587 International Institutions

Members of the department and Miss Strange. Fifteen lectures, Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II: *International Institutions*, VIII 3c; XII 7; XIV 8a (third year); M.Sc.: *International Politics*, XI 1; *International Institutions*, XI 3 and other graduate students.

Syllabus The place of international institutions, both quasi-universal (e.g. the League of Nations and the United Nations) and regional, in the international political system and in the foreign policies of their members. The growth and forms of international institutional co-operation: association, co-ordination and integration. Collective security and the balance of power. The development of international "peace-keeping" forces. Factors making for cohesion and disintegration in regional diplomatic systems and in military alliances.

International Relations

The role of international economic institutions in international trade and economic development. The policy-making role of international secretariats.

Recommended reading J. Larus (Ed.), *From Collective Security to Preventive Diplomacy*; I. L. Claude, *Swords into Plowshares*; F. H. Hinsley, *Power and the Pursuit of Peace*; W. Schiffer, *The Legal Community of Mankind*; I. L. Claude, *Power and International Relations*; F. P. Walters, *A History of the League of Nations*; A. E. Zimmern, *The League of Nations and the Rule of Law, 1918-1935* (2nd edn., 1939); A. J. Mayer, *The New Diplomacy*; S. D. Kertesz and M. A. Fitzsimons (Eds.), *Diplomacy in a Changing World*; F. C. Iklé, *How Nations Negotiate*; H. Nicolson, *Evolution of Diplomatic Method*; R. Emerson, *From Empire to Nation*; A. Wolfers, *Discord and Collaboration*; G. L. Goodwin, *Britain and the United Nations*; H. G. Nicholas, *The United Nations as a Political Institution*; L. M. Goodrich and E. Hambro, *Charter of the United Nations: Commentary and Documents* (2nd edn., 1949); R. Higgins, *The Development of International Law through the Political Organs of the United Nations*; R. N. Gardner, *Sterling-Dollar Diplomacy*; B. Tew, *International Monetary Co-operation* (8th edn.); M. Kaser, *Comecon*; A. James, *The Policy of Peacekeeping*; R. Gardner and M. Millikan, *The Global Partnership*; A. Shonfield, *The Attack on World Poverty*; H. A. G. Van Meerhaeghe, *International Economic Institutions*; R. E. Osgood, *NATO, The Entangling Alliance*; E. B. Haas, *The Uniting of Europe*; L. N. Lindberg, *The Political Dynamics of European Economic Integration*; and the relevant constitutional documents.

587(a) International Institutions (Class)

Members of the department.

(i) Three classes, Summer Term.

For B.Sc. (Econ.) Part II: *International Institutions*, VIII 3c; XII 7; XIV 8a (second year).

(ii) Fifteen classes, Michaelmas and Lent Terms.

For B.Sc. (Econ. Part II: *International Institutions*, VIII 3c; XII 7; XIV 8a (third year).

588 Theories of International Institutional Co-operation

Mr Taylor. Ten lectures, Lent and Summer Terms.

For M.Sc.: *International Institutions*, XI 3; *European Institutions*, XI 4 and other graduate and undergraduate students interested.

Syllabus An examination of the major theories about the origins, shape and purpose of international institutions in international society. Theories linking the tasks of international institutions with the problems of world order: international integration, sovereignty and community building; multilateral diplomacy, peaceful change and the compatibility of state interests.

Recommended reading As for Course 587 and A. Etzioni, *Political Unification: A Comparative Study of Leaders and Forces*; E. B. Haas, *Beyond the Nation State*; J. P. Sewell, *Functionalism and World Politics*; G. Myrdal, *Beyond the Welfare State*; W. Foote, *Dag Hammarskjöld: Servant of Peace*; C. W. Jenks, *The Common Law of Mankind*; K. Deutsch, *Political Community in the North Atlantic Area*; G. Clark and L. Sohn, *World Peace through World Law*.

589 The Politics of Western European Integration

Mr Taylor. Ten lectures, Michaelmas Term.

For B.Sc. (Econ.) Part II: *International Institutions*, VIII 3c; XII 7; XIV 8a (third year); M.Sc.: *European Institutions*, XI 4 and other graduate students interested.

Syllabus The emergence of the European Community: the European idea; the dynamics of integration. The institutions: structure and policy-making processes (O.E.E.C.-O.E.C.D., Council of Europe, the E.E.C. and E.C.S.C.). The impact of the institutions upon state policy.

International Relations

Theoretical aspects: the notion of supra-nationality. The Federalist, the Confederalist and the Functionalist approaches to the integration of the Six. European security and European integration.

Recommended reading M. Beloff, *Europe and the Europeans; Europe Unites; The Story of the Campaign for European Unity*; C. Grove Haines (Ed.), *European Integration; Political and Economic Planning, European Unity*; M. Camps, *Britain and the European Economic Community*; M. Camps, *European Unification in the Sixties: From the Veto to the Crisis*; J. Deniau, *The Common Market*; L. N. Lindberg, *The Political Dynamics of European Economic Integration*; U. W. Kitzinger, *The Challenge of the Common Market*; W. Pickles, *Not With Europe; How Much Has Changed?*; S. Holt, *The Common Market*; A. Spinelli, *The Eurocrats*; J. Newhouse, *Collision in Brussels: the Common Market Crisis of 30 June 1965*; S. Bodenheimer, *Political Union: a Microcosm of European Politics*.

590 International Communism

Mr G. H. Stern. Fifteen lectures, Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II: *International Institutions*, VIII 3c; XII 7; XIV 8a (third year); M.Sc.: *International Institutions*, XI 3 and other graduate students interested.

Syllabus International implications of the Bolshevik Revolution of 1917. The development of Communist Parties, factions and fronts in Europe, Asia, the Middle East and elsewhere: their inter-relations and their degree of sensitivity to changes in Soviet domestic and foreign policies. The institutional structure of the Comintern, Cominform, Comecon and the Warsaw Pact; the effectiveness of these organizations in the achievement of their presumed goals. The Sino-Soviet dispute and the emergence of polycentrism in the Communist world.

Recommended reading F. Borkenau, *World Communism*; Z. K. Brzezinski, *The Soviet Bloc*; E. H. Carr, *German-Soviet Relations between the Two World Wars, 1919-1939*; W. C. Clemens, *The Arms Race and Sino-Soviet Relations*;

J. Degras (Ed.), *The Communist International 1919-1943: Documents*, Vols. I, II and III; I. Deutscher, *Stalin*; K. Grzybowski, *The Socialist Commonwealth of Nations*; M. Kaser, *Comecon*; J. H. Kautsky, *Communism and the Politics of Development*; G. F. Kennan, *Russia and the West under Lenin and Stalin*; R. Loewenthal, *World Communism: the Disintegration of a Secular Faith*; R. H. McNeal (Ed.), *International Relations Among Communists*; S. Schram, *The Political Thought of Mao Tse-tung*; G. H. N. Seton-Watson, *The Pattern of Communist Revolution*; R. F. Staar, *The Communist Regimes in Eastern Europe*; G. H. Stern, *Fifty Years of Communism*; D. W. Treadgold (Ed.), *Soviet and Chinese Communism: Similarities and Differences*; G. Wint, *Communist China's Crusade*.

591 Sovereignty

Mr James. Five lectures, Lent Term.

For second and third-year undergraduate and graduate students.

Syllabus An examination of the uses and implications of the concept of sovereignty as applied to the state in its international aspect.

Recommended reading will be given during the course.

Note Courses 592-604 are designed primarily for those taking the options indicated, but they are open to all students taking the special subject International Relations in Part II of the B.Sc. (Econ.) degree as well as to M.Sc. and other graduate students.

592 The Politics of International Economic Relations

Mr Donelan and Mr Mayall. Ten lectures, Michaelmas Term.

For B.Sc. (Econ.) Part II: *The Politics of International Economic Relations*, XII 8b (third year); M.Sc.: *International Politics*, XI 1 and other graduate students interested.

International Relations

Syllabus An analysis of (i) the sources and organization of national economic power; (ii) the economic factor in the formulation of foreign policy; (iii) the use of economic power as an instrument of foreign policy; (iv) the growth of the international economy: its political implications; (v) economic nationalism and regionalism in the international economy; (vi) problems of political control of the contemporary international economy; (vii) proposals for world trade and monetary reform and the problem of institutional change.

Recommended reading J. A. Hobson, *Imperialism* (3rd edn.); E. Staley, *War and the Private Investor*; D. K. Fieldhouse, *The Theory of Capitalist Imperialism*; K. Polanyi, *Origins of our Time*; H. W. Arndt, *The Economic Lessons of the Nineteen-Thirties*; B. H. Klein, *Germany's Economic Preparations for War*; D. Vidal, *The Inequality of States*; H. G. Aubrey, *Coexistence: Economic Challenge and Response*; B. Shwadran, *The Middle East, Oil and the Great Powers*; Yuan-Li Wu, *Economic Warfare*; I. M. D. Little and J. M. Clifford, *International Aid*; G. Curzon, *Multilateral Commercial Diplomacy*; M. Goldman, *Soviet Foreign Aid*; H. J. Johnson, *Economic Policies towards Less Developed Countries*; Anthony Harrison, *The Framework of Economic Activity*; V. L. Galbraith, *World Trade in Transition*; S. Dell, *Trade Blocs and Common Markets*; B. Tew, *World Monetary Co-operation*.

592(a) The Economic Factor in International Relations (Class)

Mr Donelan and Mr Mayall. Lent Term.

For B.Sc. (Econ.) Part II: *The Politics of International Economic Relations*, XII 8b (third year).

593 Introduction to Military and Naval History 1789-1945

Mr Bond and Professor Ranft (King's College).

Twenty-five lectures, Sessional.

Optional for M.Sc.: *Strategic Studies*, XI 6 and other graduate students interested.

Syllabus The pre-Napoleonic thinkers: Bourcet, Guibert, Lloyd, Scharnhorst. The interpreters of Napoleonic warfare: Clausewitz, Willisen, Jomini, Hamley. Military thought in the railway age: Moltke, Schlieffen, Foch, Grandmaison. The influence of the American Civil War. Geopolitical and maritime doctrines of war: Mackinder, Haushofer, Mahan, Corbett. Doctrines of armoured and air warfare: Fuller, Liddell Hart, Douhet. Economic and total war. **Recommended reading** will be given at the beginning of the course.

593(a) The History and Theory of War (Class)

Mr Bond (King's College).
Sessional.

For M.Sc.: *Strategic Studies*, XI 6 and M.A. War Studies.

593(b) Contemporary Developments in Strategic Thought (Class)

Professor Martin (King's College).
Lent and Summer Terms.

For M.Sc.: *Strategic Studies* XI 6 and M.A. War Studies.

594 Contemporary Strategic Problems

Mr Windsor. Fifteen lectures, Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II: *Strategic Studies*, XII 8c (third year); M.Sc.: *Strategic Studies*, XI 6 and other graduate students interested.

Syllabus Developments in military technology since 1945 and their impact on strategic thinking. Elements of continuity and elements of change in thinking about the conduct of war. The development of military doctrine in the United States, the Soviet Union and Western Europe. The idea of deterrence. The idea of limited war. The military problems of alliances. Revolutionary and guerrilla warfare. The theory of disarmament and arms control negotiations, the historical experience of arms control systems and problems of the working of arms control systems.

International Relations

Recommended reading A. Buchan, *War in Modern Society*; L. Beaton, *The Struggle for Peace*; B. Brodie, *Strategy in the Missile Age*; E. M. Earle (Ed.), *Makers of Modern Strategy*; M. Howard, "War as an Instrument of Policy" in H. Butterfield and M. Wight (Eds.), *Diplomatic Investigations*; R. Aron, *On War*; B. Liddell Hart, *Strategy: The Indirect Approach; Deterrence or Defence*; H. Kissinger, *Nuclear Weapons and Foreign Policy; The Necessity for Choice; Problems of National Strategy*; NATO: *The Troubled Partnership*; T. C. Schelling, *Arms and Influence; The Strategy of Conflict*; T. C. Schelling and M. H. Halperin, *Strategy and Arms Control*; M. Halperin, *Limited War in the Nuclear Age*; H. Bull, *The Control of the Arms Race*; L. Beaton, *Must the Bomb Spread?; The Western Alliance and the McNamara Doctrine*; A. Herzog, *The War-Peace Establishment*; K. Von Clausewitz, *War, Politics and Power*; P. Paret and J. W. Shy, *Guerrillas in the 1960s*.

594(a) The Strategic Aspects of International Relations (Class)

Mr Windsor. Lent Term.

For B.Sc. (Econ.) Part II: *Strategic Studies*, XII 8c (third year).

595 War and Crisis in International Relations

Dr C. M. Bell. Ten Lectures, Michaelmas Term.

For M.Sc.: *International Politics*, XI 1; *Strategic Studies*, XI 6; M.A. War Studies and other undergraduate and graduate students interested.

Syllabus This course will examine the causes and the occasions of war, the nature and management of international crises, diplomacy during hostilities, efforts at the control and prevention of war, and the effects of war on the society of states.

Recommended reading H. Kahn, *On Escalation*; K. Waltz, *Man, the State and War*; Q. Wright, *A Study of War*; J. W. Spanier and J. L. Noguee, *The Politics of Disarmament*; H. S. Dinerstein, *War and the Soviet Union*; S. J. Deitchman, *Limited War and American Defense Policy*;

D. Bobrow, *Components of Defence Policy*; H. Kissinger, *The Necessity for Choice*; D. J. Hekhuis, C. C. McClintock and A. L. Burns, *International Stability*; J. U. Nef, *War and Human Progress*; R. Higgins, *Conflicts of Interest*; T. Schelling, *Strategy of Conflict*; R. Aron, *Peace and War Among Nations*; R. Tucker, *The Just War*.

596 Strategic Policies of the Great Powers since the Second World War
Professor Martin (King's College). Ten lectures, Michaelmas Term.

For M.Sc.: *Strategic Studies*, XI 6 and other graduate students interested.

Syllabus The reorganization of the U.S. armed forces after 1945. The Atomic Energy Act, 1946, and the National Security Act, 1947. Inter-service conflicts over rearmament 1947-1950. The United States and the defence of Western Europe from 1949. The Korean War and its impact on U.S. defence policy. "The New Look", 1953, and the consequent controversies over organization and doctrine. The reorientation of policy under McNamara, 1960.

Recommended reading will be given at the beginning of the course.

597 Civil-Military Relations

Dr Mendl (King's College). Ten lectures, Michaelmas Term.

For M.Sc.: *Strategic Studies*, XI 6 and other graduate students interested.

Syllabus The study of civil-military relations as a political and social problem, constitutional questions arising out of the relationship of the armed forces to the civil power, structure of defence organization and defence expenditure and the national economy.

Recommended reading will be given at the beginning of the course.

597(a) Civil-Military Relations (Class)

Dr Mendl (King's College). Lent and Summer Terms.

For M.Sc.: *Strategic Studies*, XI 6.

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598 Problems of International Security

Professor Hedley Bull. Five lectures, Summer Term.

For undergraduate and graduate students interested.

Recommended reading will be given at the beginning of the course.

599 Theories of International Behaviour

Mr Banks. Ten lectures, Michaelmas Term.

For B.Sc. (Econ.) Part II: special subject International Relations particularly for *Theories of International Politics*, XII 8a (second year); M.Sc.: *Theories of International Politics*, XI 5 and for other undergraduate and graduate students interested.

Syllabus Recent trends and developments in the study of international relations and associated disciplines. Problems of methodology and epistemology. The systems perspective and attempts to apply it to world society. Normative approaches to world society: peace research and the growth of future studies. Policy formation and execution: values, images and perception, decision making, communication, adjustment. Attempts to apply operational concepts to the study of politics at the national, cross-national and international levels. Empirical research techniques and findings: aggregate data analysis, computer simulation, small-group research, ethological research, content analysis.

Recommended reading M. Barkun, *Law Without Sanctions*; R. A. Bauer and K. J. Gergen (Eds.), *The Study of Policy Formation*; P. M. Blau, *Exchange and Power in Social Life*; J. W. Burton, *Systems, States, Diplomacy and Rules*; K. W. Deutsch, *The Analysis of International Relations*; E. B. Haas, *Beyond the Nation-State*; M. A. Kaplan (Ed.), *New Approaches to International Relations*; H. C. Kelman (Ed.), *International Behavior*; W. J. M. Mackenzie, *Politics and Social Science*; C. A. McClelland, *Theory and the International System*; E. J. Meehan, *The Theory and Method of*

Political Analysis; J. H. de Rivera, *The Psychological Dimension of Foreign Policy*; D. G. Pruitt and R. C. Snyder (Eds.), *Theory and Research on the Causes of War*; J. Raser, *Simulation and Society*; J. N. Rosenau (Ed.), *International Politics and Foreign Policy* (2nd edn.); *Linkage Politics*; B. M. Russett et al., *World Handbook of Political and Social Indicators*; J. D. Singer (Ed.), *Quantitative International Politics*; R. C. Snyder et al. (Eds.), *Foreign Policy Decision Making*; O. R. Young, *Systems of Political Science*. Also articles in *International Studies Quarterly*; *General Systems Yearbook*; *Journal of Conflict Resolution*.

600 Theories of International Politics

Professor Goodwin. Ten lectures, Michaelmas Term.

For B.Sc. (Econ.) Part II: *Theories of International Politics*, XII 8a (third year); M.Sc.: *Theories of International Politics*, XI 5 and for other undergraduate and graduate students interested.

Syllabus The principal theories concerning international politics, considered by way of a discussion of both the classical and contemporary writings.

Recommended reading R. Aron, *Peace and War, A Theory of International Relations*; H. Bull, "International Theory: The Case for a Classical Approach" (*World Politics*, April 1966); H. Butterfield and Martin Wight (Eds.), *Diplomatic Investigations*; J. L. Brierly, *The Basis of Obligation in International Law*; E. H. Carr, *The Twenty Years' Crisis*; K. Deutsch, *International Relations*; R. E. Osgood and R. W. Tucker, *Force, Order and Justice*; S. H. Hoffmann, *The State of War*; S. H. Hoffmann (Ed.), *Contemporary Theory in International Relations*; F. Meinecke, *Machiavellism, the Doctrine of Raison d'Etat and Its Place in Modern History*; K. N. Waltz, *Man, The State and War*. A. L. Burns, *Of Powers and their Policies*; K. Norr and J. N. Rosenau (Eds.), *Contending Approaches to International Politics*; W. Schiffer, *The Legal Community of Mankind*.

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600(a) Theories of International Politics (Class)

Professor Goodwin and Mr Banks. Lent Term.

For B.Sc. (Econ.) Part II: *Theories of International Politics*, XII 8a (third year).

601 Conflict Theory and Analysis

Mr Sims. Ten lectures, Lent Term.

For undergraduate and graduate students interested, particularly for B.Sc. (Econ.) Part II: *Theories of International Politics*, XII 8a (third year); M.Sc.: *Theories of International Politics*, XI 5.

Syllabus Types of conflict theory; origins, incidence, correlates, dynamics and outcomes of international conflict; functions of conflict in international relations. Special theories of conflict; international frontier conflict and third-party intermediaries. Avoidance and control of international conflict. Methods of analysis and problems in the application of theory to contemporary conflict processes.

Recommended reading K. E. Boulding, *Conflict and Defence*; J. W. Burton, *Conflict and Communication*; *Systems, States, Diplomacy and Rules*; L. A. Coser, *The Functions of Social Conflict*; A. V. S. de Reuck and J. Knight (Eds.), *Conflict in Society*; R. D. Fisher (Ed.), *International Conflict and Behavioural Science*; J. Galtung, *International Relations and International Conflicts*; *Theories of Peace*; H. C. Kelman (Ed.), *International Behavior*; L. Kriesberg (Ed.), *Social Processes in International Relations*; E. Luard, *Conflict and Peace in the Modern International System*; E. B. McNeil (Ed.), *The Nature of Human Conflict*; T. H. Pear (Ed.), *Psychological Factors of Peace and War*; D. G. Pruitt and R. C. Snyder (Eds.), *Theory and Research on the Causes of War*; M. Sherif, *Group Conflict and Co-operation*; N. A. Sims, *Function and Dysfunction in International Conflict Theory*; D. R. Wood, *Conflict in the Twentieth Century*; Q. Wright, *A Study of War*; O. R. Young, *The Intermediaries*; *Journal of Conflict Resolution* (Ann Arbor); *Journal of Peace Research* (Oslo).

602 Philosophical Aspects of International Affairs

Professor Manning. Five or more lectures, Michaelmas Term.

For undergraduate and graduate students interested.

Recommended reading J. L. Brierly, *The Basis of Obligation in International Law*; K. Boulding, *The Image*; E. H. Carr, *The Twenty Years' Crisis*; B. de Jouvenel, *On Power*; W. T. R. Fox (Ed.), *Theoretical Aspects of International Relations*; G. L. Goodwin, *The University Teaching of International Relations*; F. Gross, *Foreign Policy Analysis*; S. H. Hoffman, *Contemporary Theory in International Relations*; M. A. Kaplan and N. de B. Katzenbach, *The Political Foundations of International Law*; P. Laslett (Ed.), *Philosophy, Politics, and Society* (1st edn.); C. A. W. Manning, *The Nature of International Society*; T. Mathisen, *Methodology of the Study of International Relations*; F. Meinecke, *Machiavellism*; J. Plamenatz, *On Alien Rule and Self-Government*; K. Popper, *The Poverty of Historicism*; J. N. Rosenau, *International Relations and Foreign Policy*; K. Waltz, *Man, The State, and War*; R. Sterling, *Ethics in a World of Power*; T. D. Weldon, *The Vocabulary of Politics*; P. Winch, *The Idea of a Social Science*.

603 Psychological Aspects of International Affairs

Professor Northedge. Ten lectures, Lent and Summer Terms, beginning in the sixth week of the Lent Term.

For undergraduate and graduate students interested.

Syllabus An examination of the more important psychological factors affecting the mutual relations of modern States. Consideration will be given to: non-rational elements in political belief and behaviour; the formation of political ideas and the interested control of public opinion; the emotional functions of nationalism and other collective symbols of international bearing; communal traditions, sentiment and prejudice; national attitudes and character and methods of their study; ideological forces in policy-making; propaganda and

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psychological warfare; psychological factors in inter-State conflict.

Recommended reading M. and C. W. Sherif, *An Outline of Social Psychology*; I. L. Horowitz, *Radicalism and the Revolt against Reason*; R. Crawshay-Williams, *The Comforts of Unreason*; E. Hoffer, *The True Believer*; G. A. Almond, *The Appeals of Communism*; F. C. Barghoorn, *The Soviet Cultural Offensive*; L. M. Fraser, *Propaganda*; J. C. Clews, *Communist Propaganda Techniques*; E. Fromm, *The Fear of Freedom*; B. C. Shafer, *Nationalism: Myth and Reality*; H. Kohn, *Prophets and Peoples*; D. Lerner, *Sykeswar*; N. Berdyaev, *The Russian Idea*; W. Röpke, *The German Question*; B. Schaffner, *Fatherland*; K. Z. Lorenz, *On Aggression*; R. Niebuhr, *The Irony of American History*; R. Benedict, *Race and Racism*; A. K. Weinberg, *Manifest Destiny*; J. H. de Rivera, *The Psychological Dimension of Foreign Policy*.

604 The Sociology of International Law

Mr James. Ten lectures, Michaelmas Term.

For B.Sc. (Econ.) Part II: *Sociology of International Law*, XII 8d (third year) and other interested undergraduate and graduate students.

Syllabus The purpose of this course is to examine the place, in international society, of international law. Among the topics which will be considered are: the question of the legal nature of international law; the basis of obligation in international law; the relation between international politics and international law; the factors affecting the development of international law; the suggested classification of international law into types; the relation to international law of sanctions, and their nature in an ungoverned society; the relevance of the concept of the "rule of law" in international society; the question of an international criminal law; the usefulness of endeavours to codify international law; the place, internationally, of the judicial settlement of disputes; the relation between international law and international order; the function of the international lawyer.

Recommended reading J. L. Brierly, *The Basis of Obligation in International Law and Other Papers*; *The Outlook for International Law*; P. E. Corbett, *Law in Diplomacy*; H. L. A. Hart, *The Concept of Law*; M. A. Kaplan and N. de B. Katzenbach, *The Political Foundations of International Law*; A. Nussbaum, *A Concise History of the Law of Nations* (2nd edn.); C. N. Ronning, *Law and Politics in Inter-American Diplomacy*; G. Schwarzenberger, *The Frontiers of International Law*; *The Inductive Approach to International Law*; O. J. Lissitzyn, *International Law Today and Tomorrow*; J. Stone, *Aggression and World Order*; *Quest for Survival*; C. de Visscher, *Theory and Reality in Public International Law*; Q. Wright, *The Role of International Law in the Elimination of War*; W. Friedmann, *The Changing Structure of International Law*; L. Henkin, *How Nations Behave*; R. A. Falk and S. H. Mendlovitz (Eds.), *The Strategy of World Order*, Vol. II; W. D. Coplin, *The Functions of International Law*; B. Landheer, *On the Sociology of International Law and International Society*.

604(a) The Sociology of International Law (Class)

Mr James. Lent Term.

For B.Sc. (Econ.) Part II: *Sociology of International Law*, XII 8d (third year).

605 Imperialism

Mr E. A. Roberts. Ten lectures, Lent Term.

For B.Sc. (Econ.) Part II: *International Politics*, XII 5; XIV 3b; XV 5 and 6g (second year); M.Sc.: *International Politics*, XI 1; *The Foreign Policies of the Powers*, XI 2; *International Politics of an Approved Region*, XI 7 and other undergraduate and graduate students interested.

Syllabus Empires and imperialism as a factor in international politics, particularly in the nineteenth and twentieth centuries. The various concepts attached to the words "empire" and "imperialism". The various attempts, Marxist, neo-Marxist and others, to explain the causes of imperialism. Security problems and their

International Relations

interrelationship with empires. The ideological bases of imperialism. Patterns of imperial control and anti-imperial struggle. The dissolution of empires, and the concept of "neo-colonialism". The future of imperialism. Imperialism as a "single-factor" explanation of international politics.

Recommended reading Shlomo Avineri (Ed.), *Karl Marx on Colonialism and Modernization*; C. A. Bodelsen, *Studies in Mid-Victorian Imperialism*; C. Cross, *The Fall of the British Empire*; S. C. Easton, *The Rise and Fall of Western Colonialism*; S. C. Easton, *The Twilight of European Colonialism*; H. E. Egerton, *A Short History of British Colonial Policy*; F. Fanon, *The Wretched of the Earth*; H. Gollwitzer, *Europe in the Age of Imperialism*; E. J. Hobsbawm, *Industry and Empire*; J. A. Hobson, *Imperialism: A Study*; T. Kemp, *Theories of Imperialism*; V. G. Kiernan, *The Lords of Human Kind*; R. Koebner and H. D. Schmidt, *Imperialism: The Story and Significance of a Political Word*; V. I. Lenin, *Imperialism, The Highest Stage of Capitalism*; H. Magdoff, *The Age of Imperialism*; R. E. Robinson and J. Gallagher, *Africa and the Victorians*; J. A. Schumpeter, *Imperialism and Social Classes*; B. Semmel, *Imperialism and Social Reform*; G. H. N. Seton-Watson, *The New Imperialism*; L. L. Snyder (Ed.), *The Imperialism Reader*; A. P. Thornton, *Doctrines of Imperialism*; E. M. Winslow, *The Pattern of Imperialism*.

606 Disarmament and Arms Control

Mr E. A. Roberts and Mr Sims. Ten lectures, Michaelmas Term.

For undergraduate and graduate students interested.

Syllabus Disarmament theories and their international behavioural assumptions; history of disarmament attempts and negotiations; limitations of negotiations; problems of verification and control; forced and voluntary unilateral disarmament; different concepts of the disarmed state. Theory and practice of arms control; nuclear proliferation and its control; the seabed. Public opinion and other non-governmental influences on

disarmament and arms control policies; institutional framework of policy formation and international negotiation.

Recommended reading R. J. Barnet and R. A. Falk (Eds.), *Security in Disarmament*; L. Beaton, *Must the Bomb Spread?*; L. Beaton and J. Maddox, *The Spread of Nuclear Weapons*; B. G. Bechhoefer, *Postwar Negotiations for Arms Control*; D. G. Brennan (Ed.), *Arms Control, Disarmament, and National Security*; A. Buchan (Ed.), *A World of Nuclear Powers?*; H. Bull, *The Control of the Arms Race*; R. Calder and E. Young (Eds.), *Quiet Enjoyment*; A. Carter (Ed.), *Unilateral Disarmament*; G. Fischer, *La Non-Prolifération des Armes Nucléaires*; L. Henkin (Ed.), *Arms Control*; J. Klein, *L'Entreprise du Désarmement depuis 1945*; E. Luard, *Conflict and Peace in the Modern International System*; E. Luard (Ed.), *First Steps to Disarmament*; P. J. Noel-Baker, *The Arms Race*; H. A. Nutting, *Disarmament: An Outline of the Negotiations*; C. E. Osgood, *An Alternative to War or Surrender*; United Nations, *The United Nations and Disarmament, 1945-1965*; Michael Wright, *Disarm and Verify*; E. Young, *The Control of Proliferation*; W. Young, *Strategy for Survival*.

607 Resistance in International Conflict

Mr E. A. Roberts. Six lectures, Michaelmas Term.

For B.Sc. (Econ.) Part II: *Strategic Studies*, XII 8c (third year); M.Sc.: *Strategic Studies*, XI 6 and other undergraduate and graduate students interested.

Syllabus Forms of resistance, both violent and non-violent, concentrating particularly on anti-colonial movements and struggles against foreign occupation. European uses of guerilla and civil resistance. Nationalist struggles and internal divisions in India, Vietnam, Cyprus etc. The effect of resistance on domestic politics and on international relations generally. Theories of resistance.

Recommended reading J. V. Bondurant, *Conquest of Violence*; C. von Clausewitz, *On War*; E. Guevara, *Guerilla Warfare*; Mao Tse-tung, *Collected Works*; F. M.

International Relations

Osanka (Ed.), *Modern Guerilla Warfare*; P. Paret and J. W. Shy, *Guerillas in the 1960s*; A. Roberts (Ed.), *Civilian Resistance as a National Defence*; M. Q. Sibley (Ed.), *The Quiet Battle*; G. K. Tanham, *Communist Revolutionary Warfare*.

608 Current Issues in International Relations (Seminar)

Professor Northedge and Mr Sims. Lent and Summer Terms.

For interested students.

A weekly exchange of reflections on the current diplomatic scene and the issues it raises for the academic student of international relations.

SEMINARS FOR M.Sc. AND OTHER GRADUATE STUDENTS

609 Research Methods (Seminar)

Professor Northedge. Michaelmas Term.

For all first-year M.Phil., and Ph.D. students in International Relations.

610 International Politics

Professor Northedge and Mr G. H. Stern. Michaelmas Term.

For M.Sc.: *International Politics*, XI 1; *The Foreign Policies of the Powers*, XI 2; *International Politics of an Approved Region*, XI 7 and first-year graduate students.

611 Foreign Policy Analysis

The following four seminars will be held:

(a) Foreign Policy Analysis

Mr Donelan and Dr C. M. Bell. Lent Term.

For M.Sc.: *International Politics*, XI 1; *The Foreign Policies of the Powers*, XI 2;

(b) **United States Foreign Policy**
Mr Donelan. Lent Term (second five weeks).

For M.Sc.: *The Foreign Policies of the Powers*, XI 2 and other graduate students.

(c) British Foreign Policy

Professor Goodwin. Summer Term.

For M.Sc.: *The Foreign Policies of the Powers*, XI 2 and other graduate students.

(d) National Attitudes and Foreign Policy

Professor Northedge and Dr Tint. Five lectures, Michaelmas Term.

For M.Sc.: *The Foreign Policies of the Powers*, XI 2 and other graduate students. Also open to third-year undergraduates.

612 International Institutions

Professor Goodwin and Mr James. Michaelmas Term.

For M.Sc.: *International Politics*, XI 1; *International Institutions*, XI 3.

613 European Studies (Seminar)

Professor Goodwin, Mr Windsor, Mr Taylor and Mr Pickles. Michaelmas and Lent Terms.

For staff and graduate students by invitation.

614 European Institutions

Professor Goodwin and Mr Taylor. Lent and Summer Terms.

For M.Sc.: *European Institutions*, XI 4 and other graduate students.

615 The Politics of International Economic Institutions

Miss Strange. Lent Term.

For M.Sc.: *International Institutions*, XI 3 and other graduate students.

616 International Communism

Mr G. H. Stern. Fortnightly, Lent Term.

For M.Sc.: *The Foreign Policies of the Powers*, XI 2; *International Institutions*,

International Relations

XI 3; *International Politics of Europe*, XI 7 and other graduate students.

617 Asia and the Pacific in International Relations

Dr C. M. Bell and Dr Leifer.
Lent and Summer Terms.

For M.Sc.: *The Foreign Policies of the Powers*, XI 2; *International Politics of Southern Asia*, XI 7 and other graduate students.

618 Foreign Relations of African States

Mr Panter-Brick and Mr Mayall.
Lent Term.

For M.Sc. *International Politics of Africa*, XI 7; M.A. Area Studies—Africa, and other graduate students.

619 Africa and World Politics

Mr Mayall. Fortnightly, Summer Term.

For staff and research students by invitation.

620 International Politics of the Middle East

Mr Evron. Summer Term.

For M.Sc.: *International Politics*, XI 1 and other graduate students.

621 Strategic Studies

Professor Martin, Dr Mendl and Mr Windsor. Sessional.

For M.Sc.: *Strategic Studies*, XI 6 and other graduate students.

622 War and Crisis in International Relations

Dr C. M. Bell and Mr E. A. Roberts. Lent Term.

For M.Sc.: *Strategic Studies*, XI 6; M.A. War Studies and other graduate students.

623 War as a Social Requirement

Mr Windsor. Summer Term.

For staff and graduate students.

624 Resistance in International Conflict

Mr E. A. Roberts. Lent Term.

For M.Sc.: *Strategic Studies*, XI 6 and other graduate students. Also open to third-year undergraduates.

625 Economic Aspects of International Disputes

Mr Donelan and Mr Mayall. Lent Term.

For staff and graduate students by invitation.

626 The Place of International Business Corporations in the International System

Miss Strange. Lent Term.

For staff and graduate students by invitation.

627 Theories of International Politics

Professor Goodwin, Mr Banks and Mr Taylor.

For staff and M.Sc.: *Theories of International Politics*, XI 5; *International Institutions*, XI 3; *European Institutions*, XI 4 and other graduate students.

Note The attention of graduate students is drawn to the following related course:

554 International Politics of Africa

Reference should also be made to the following sections and courses:

**Economics (International Economics Courses)
International History**

No. 449 **International Law**

No. 465 **Law of International Institutions**

No. 466 **Law of European Institutions**

Sociological Studies

Page	
469	Anthropology
476	Demography
480	Psychology
486	Social Science and Administration
494	Personnel Management
495	Social Work Studies
500	Sociology

Anthropology

(i) General

640 Introduction to Social Anthropology

Professor Lewis. Twenty-five lectures, Sessional.

For B.Sc. (Soc. Anth.) Part I; B.A./B.Sc. (Soc.), Branch I (first year); B.Sc. (Econ.) Part I: alternative subject 9, *Principles and Methods of Social Anthropology*; B.Sc. (Geog.) C 1; B.Sc. (Soc. Psych.) students taking Soc. Anth. as 1 or $\frac{1}{2}$ a unit; Dip. Soc. Anth. (first year); Dip. Soc. Admin., Overseas Option only (one year); graduate students taking qualifying examinations; B.Sc. (Econ.) Part II: *Social Aspects of Political and Economic Development*, VI 8k; *Economic and Political Systems*, XV 5 and 6h (second year).

Syllabus The scope of social anthropology and its links with other subjects; different ways of understanding social institutions; race and culture. Characteristics of tribal religious beliefs and rituals (witchcraft, cosmology, rituals). Environmental resources and their utilisation in tribal economies. Family, marriage and kinship organization; unilineal and non-unilineal descent. Politics and social control; centralised and decentralised tribal government; the settlement of disputes.

Essential reading L. P. Mair, *An Introduction to Social Anthropology*; B. Malinowski, *Argonauts of the Western Pacific*; A. R. Radcliffe-Brown and C. D. Forde (Eds.), *African Systems of Kinship and Marriage*; R. Firth, *We, The Tikopia*; L. P. Mair, *Primitive Government*; I. Schapera, *Government and Politics in Tribal Societies*; M. Gluckman, *Politics, Law and Ritual in Tribal Society*; E. E. Evans-Pritchard, *The Nuer*; *Witchcraft, Oracles, and Magic among the Azande*; R. Fox, *Kinship and Marriage*.

640(a) Classes

In connection with Course No. 640. For B.Sc. (Soc. Anth.) Part I; B.Sc. (Geog.) C 1; B.Sc. (Soc. Psych.) students taking Soc. Anth. as 1 unit.

641 Man, Race and Culture

Mr Forge and other members of the department. Twenty-five lectures, Sessional.

For B.Sc. (Soc. Anth.) Part I; B.Sc. (Geog.) C 2.

Syllabus An outline of human evolution in the context of the study of animal (especially primate) social behaviour. The nature, origin and development of culture. The significance of racial differences. Introduction to human ecology.

Essential reading S. L. Washburn (Ed.), *The Social Life of Early Man*; I. de Vore (Ed.), *Primate Behaviour*; M. F. Ashley Montagu, *Culture and the Evolution of Man*; Sol Tax (Ed.), *Horizons of Anthropology*; V. Gordon Childe, *What Happened in History*; P. C. Jay (Ed.), *Primates: Studies in Adaptation and Variability*; B. Campbell, *Human Evolution*; Sonia Cole, *The Races of Man*; W. E. Le Gros Clark, *History of the Primates*; K. P. Oakley, *Man the Tool-Maker*.

Further reading will be given during the course.

641(a) Classes will be arranged in connection with Course No. 641.

For B.Sc. (Soc. Anth.) Part I; B.Sc. (Geog.) C 2.

642 Outlines of Ethnography

Mr Loizos and other members of the department. Twenty lectures, Michaelmas and Lent Terms.

For B.Sc. (Soc. Anth.) Part I; B.Sc. (Econ.) Part II (second year): special subject Social Anthropology; B.Sc. (Geog.) C 3; Dip. Soc. Anth. (first year). Optional for B.Sc. (Econ.) Part I: alternative subject 9, *Principles and Methods of Social Anthropology*.

Syllabus The course will offer an introduction to the cultural history and culture areas of East/Central Africa, Mediterranean and Oceania. A number of ethnographies will be considered in detail because of their intrinsic value and by way of example.

Anthropology

Essential reading OCEANIA: R. Firth, *We, The Tikopia*; B. Malinowski, *Argonauts of the Western Pacific*; J. D. Freeman, *Report on the Iban*.

MEDITERRANEAN: J. K. Campbell, *Honour, Family and Patronage*; J. F. Boissevain, *Saints and Fireworks: Religion and Politics in Rural Malta*; P. Stirling, *Turkish Village*.

EAST/CENTRAL AFRICA: A. I. Richards, *Land, Labour and Diet in Northern Rhodesia*; C. M. Turnbull, *Wayward Servants*; J. H. M. Beattie, *The Bunyoro: An African Kingdom*.

642(a) Classes

In connection with Course No. 642. For B.Sc. (Soc. Anth.) Part I; B.Sc. (Geog.) C3.

643 Family and Kinship

Dr La Fontaine and Dr Woodburn. Twenty lectures, Michaelmas and Lent Terms.

For B.Sc. (Soc. Anth.) Part II; B.A./B.Sc. (Soc.) Branch II (third year); B.Sc. (Econ.) Part II: special subject Social Anthropology (second and third years); Dip. Soc. Anth. (first year); graduate students taking qualifying examinations.

Syllabus The analysis of institutions of kinship, marriage and the family.

Essential reading R. Fox, *Kinship and Marriage*, and relevant parts of the following (as indicated during the course): P. Bohannan and J. Middleton (Eds.), *Kinship and Social Organisation; Marriage, Family and Residence*; M. Fortes (Ed.), *Marriage in Tribal Societies (Cambridge Papers in Social Anthropology, No. 3)*; J. Goody (Ed.), *The Developmental Cycle in Domestic Groups (Cambridge Papers in Social Anthropology, No. 1)*; E. R. Leach, *Rethinking Anthropology*; C. Lévi-Strauss, *The Elementary Structures of Kinship; Structural Anthropology*; A. R. Radcliffe-Brown and C. D. Forde (Eds.), *African Systems of Kinship and Marriage*; I. Schapera (Ed.), *Studies in Kinship and Marriage*. Further reading will be given during the course.

643(a) Classes

In connection with Course No. 643. For B.Sc. (Soc. Anth.) Part II.

644(i) Economic Institutions

Dr Bloch. Ten lectures, Michaelmas Term.

For B.Sc. (Soc. Anth.) Part II; B.A./B.Sc. (Soc.), Branch II (third year); B.Sc. (Econ.) Part II: special subject Social Anthropology (second and third years); *Economic and Political Systems*, XV 5 and 6h (third year); B.Sc. (Soc. Psych.) (second year); Dip. Soc. Anth. (second year); graduate students taking qualifying examinations.

Syllabus The aim of these lectures is to examine the cultural framework of different economic systems and the working of these systems. The reaction of these systems to technological change will also be examined. Topics discussed will include: economic relations as part of social relations; economics and ritual; economic structure and kinship structure; land tenure; trade, exchange and markets; the transition from subsistence to cash economies; systems of saving and credit.

Essential reading R. Firth, *Primitive Polynesian Economy*; E. E. Le Clair and H. K. Schneider (Eds.), *Economic Anthropology*; H. C. Conklin, *Hanunóo Agriculture*; J. Goody, *Death, Property and the Ancestors*; J. M. Potter, M. N. Diaz and G. M. Foster, *Peasant Society*; C. S. Belshaw, *Traditional Exchange and Modern Markets*; R. F. Salisbury, *From Stone to Steel*; R. Firth, *Malay Fishermen: their Peasant Economy*; T. S. Epstein, *Capitalism, Primitive and Modern*; R. Firth (Ed.), *Themes in Economic Anthropology*.

644(ii) Political Anthropology

Mr Loizos. Ten lectures, Lent Term.

For B.Sc. (Soc. Anth.) Part II; B.A./B.Sc. (Soc.), Branch II (third year); B.Sc. (Econ.) Part II: special subject Social Anthropology (second and third years); *Economic and Political Systems*, XV 5 and 6h (third year); B.Sc. (Soc. Psych.) (second

Anthropology

year); Dip. Soc. Anth. (first year); graduate students taking qualifying examinations.

Syllabus Political organization and political community; order and social control in non-centralised societies; authority, legitimacy, power and sanctions; competition for office, recruitment and succession, political field and process; change.

Essential reading I. Schapera, *Government and Politics in Tribal Societies*; L. P. Mair, *Primitive Government*; M. G. Smith, *Government in Zazzau*; J. Goody, *Succession to High Office (Cambridge Papers in Social Anthropology, No. 4)*; D. Easton, "Political Anthropology" in B. J. Siegel (Ed.), *Biennial Review of Anthropology, 1959*; F. Barth, *Political Leadership among Swat Pathans*; A. Cohen *Arab Border-Villages in Israel*; M. J. Swartz, V. W. Turner and A. Tuden (Eds.), *Political Anthropology*; W. J. M. Mackenzie, *Politics and Social Science*; F. Bailey, *Stratagems and Spoils*.

644(a) Classes

In connection with Courses Nos. 644(i) and 644(ii).

For B.Sc. (Soc. Anth.) Part II; B.Sc. (Soc. Psych.) (second year).

645 Magic, Religion and Morals

Professor Lewis and other members of the department. Twenty lectures, Michaelmas and Lent Terms.

For B.Sc. (Soc. Anth.) Part III; B.A./B.Sc. (Soc.), Branch II (third year); B.Sc. (Econ.) Part II: special subject Social Anthropology (second and third years), Dip. Soc. Anth. (second year); graduate students taking qualifying examinations.

Syllabus Development of the anthropological study of religion, magic and morals. Ritual and symbolism. Sacrifice; magic; witchcraft; cargo and similar cults; spirit mediumship; totemism; divination; ancestor worship. Religion and the structure of society. Religion and morals.

Essential reading M. Banton (Ed.), *Anthropological Approaches to the Study of*

Religion; C. Lévi-Strauss, *Totemism; La pensée sauvage* (or English translation); F. Steiner, *Taboo*; M. Douglas, *Purity and Danger*; A. van Gennep, *The Rites of Passage*; E. Durkheim, *The Elementary Forms of the Religious Life*; E. E. Evans-Pritchard, *Theories of Primitive Religion*; M. Fortes and G. Dieterlen (Eds.), *African Systems of Thought*; M. Ginsberg, *On the Diversity of Morals*; J. Middleton, *Lugbara Religion*.

Further reading will be suggested during the course.

645(a) Classes

In connection with Course No. 645. For B.Sc. (Soc. Anth.) Part III.

646 Advanced Ethnography

Dr La Fontaine, Mrs Sommerfelt and other members of the department. Ten lectures, Michaelmas Term.

For B.Sc. (Soc. Anth.) Part III, 2a; B.A./B.Sc. (Soc.) Branch II (third year); B.Sc. (Econ.) Part II: special subject Social Anthropology (second and third years); Dip. Soc. Anth. (second year); graduate students taking qualifying examinations.

Syllabus A set of monographs dealing with a range of primitive and other non-industrial societies, considered in detail.

Essential reading N. O. Yalman, *Under the Bo Tree*; A. L. Epstein (Ed.), *The Craft of Social Anthropology*; M. Fortes, *The Dynamics of Clanship among the Tallensi; The Web of Kinship among the Tallensi; Oedipus and Job in West African Religion*; H. W. Scheffler, *Choiseul Island Social Structure*.

Additional reading will be given during the course.

Note For B.Sc. (Soc. Anth.) Part III 2a this course will constitute part of the work, the other part being Course No. 651, Lent Term.

646(a) Classes

In connection with Course No. 646. For B.Sc. (Soc. Anth.) Part III, 2a.

Anthropology

647(i) Anthropological Linguistics: Introduction to General Linguistics
Twenty-five lectures. Sessional.

For B.Sc. (Soc. Anth.) Part III, 2b.
Optional for B.A./B.Sc. (Soc.)
Branch II; B.Sc. (Econ.) Part II: special
subject Social Anthropology (third
year); Dip. Soc. Anth. (second year).
This course will be taught in the Depart-
ment of Language Studies. (See Course
No. 360.)

647(ii) Anthropological Linguistics: Linguistics and Anthropological Problems

Dr Woodburn and others. Ten
lectures, Lent Term.

For B.Sc. (Soc. Anth.) Part III, 2b.
Optional for B.A./B.Sc. (Soc.) Branch II;
B.Sc. (Econ.) Part II: special subject
Social Anthropology (third year); Dip.
Soc. Anth. (second year).

Syllabus A general survey of the ways in
which linguistics may contribute to the
solution of anthropological problems.

Essential reading Relevant parts of the
following works will be indicated during
the course: J. Goody (Ed.), *Literacy in
Traditional Societies*; J. J. Gumperz and
D. Hymes (Eds.), *The Ethnography of
Communication* (*American Anthropologist*
Special Publication, 1964); E. A. Hammel
(Ed.), *Formal Semantic Analysis* (*American
Anthropologist* Special Publication, 1965);
D. Hymes (Ed.), *Language in Culture
and Society*; C. Lévi-Strauss, *Structural
Anthropology*; A. K. Romney and R. G.
D'Andrade (Eds.), *Transcultural Studies
in Cognition* (*American Anthropologist*
Special Publication, 1964); S. A. Tyler
(Ed.), *Cognitive Anthropology*.
Further reading will be given during
the course.

647(a) Classes

In connection with Courses Nos.
647(i) and 647(ii).

For B. Sc. (Soc. Anth.) Part III, 2 b.
Optional for Dip. Soc. Anth. (second
year).

648(i) Advanced Theory of Social Anthropology: History of Social Anthropology

Dr La Fontaine. Ten lectures,
Michaelmas Term.

For B.Sc. (Soc. Anth.) Part III; B.A./B.Sc.
(Soc.), Branch II (third year); B.Sc.
(Econ.) Part II: special subject Social
Anthropology (second and third years);
Dip. Soc. Anth. (second year); graduate
students taking qualifying examinations.

Syllabus The nineteenth-century back-
ground of the development of "social
anthropology". The early posing and
rephrasing of problems in kinship, religion,
politics, morals, law and economics. The
development of methods. The state of the
subject on the eve of the second World
War.

Essential reading R. H. Lowie, *The
Rise of Anthropological Theory*;
T. K. Penniman, *A Hundred Years of
Anthropology*; A. R. Radcliffe-Brown,
Method in Social Anthropology (Ed. M. N.
Srinivas); E. E. Evans-Pritchard, *Social
Anthropology*; Sol Tax, "From Laitau
to Radcliffe-Brown: A Short History of
the Study of Social Organization" in F.
Eggan (Ed.), *Social Anthropology of
North American Tribes* (enlarged edn.);
D. G. MacRae, "Darwinism and the Social
Sciences" in S. A. Barnett (Ed.), *A Century
of Darwin*; F. C. Bartlett et al. (Eds.), *The
Study of Society*, Part III; J. W. Burrow,
Evolution and Society; M. Harris, *The
Rise of Anthropological Theory*.

648(ii) Advanced Theory of Social Anthropology: Selected Topics in Anthropological Theory

Dr Bloch. Ten lectures, Lent Term.

For B.Sc. (Soc. Anth.) Part III; B.A./B.Sc.
(Soc.) Branch II (third year); B.Sc.
(Econ.) Part II: special subject Social
Anthropology (second and third years);
Dip. Soc. Anth. (second year); graduate
students taking qualifying examinations.

Syllabus Theories of social anthropology
as they have been developed since the
second World War.

Essential reading S. A. Tyler (Ed.),
Cognitive Anthropology; E. R. Leach,

Anthropology

Rethinking Anthropology; F. Barth,
Models of Social Organization; C. Lévi-
Strauss, *The Savage Mind*; R. Firth,
Essays on Social Organization and Values;
C. Lévi-Strauss, *The Scope of Social
Anthropology*; M. Gluckman (Ed.), *Closed
Systems and Open Minds*; P. Winch, *The
Idea of a Social Science*; R. Needham,
Structure and Sentiment.

648(a) Classes

In connection with Courses Nos.
648(i) and 648(ii).

For B.Sc. (Soc. Anth.) Part III.

649 Primitive Art

Mr Forge. Twenty lectures,
Michaelmas and Lent Terms.

For B.Sc. (Soc. Anth.) Part III, 2c.
Optional for B.A./B.Sc. (Soc.) Branch II;
B.Sc. (Econ.) Part II: special subject
Social Anthropology (third year); Dip.
Soc. Anth. (second year).

Syllabus The functions of art in society,
and more particularly its relationship to
ritual. The position of the artist and his
role in non-literate societies. Criticism,
judgment and aesthetics will be considered
in their social and cultural contexts.
Various approaches will be discussed, but
particular attention will be paid to the
analysis of art as a symbolic system and
its relations with cosmology and other
verbal and non-verbal symbolic systems
of the society. Concentration will be on
the plastic arts and architecture from
various parts of the world; there will be
no attempt at an exhaustive coverage.

Essential reading E. H. Gombrich, *Art
and Illusion*; R. Arnheim, *Art and Visual
Perception*; E. Panofsky, *Meaning in the
Visual Arts*; C. Lévi-Strauss, *The Savage
Mind*; V. Turner, *The Forest of Symbols*;
A. A. Gerbrands, *Wow-ipits*; R. Berndt
(Ed.), *Australian Aboriginal Art*; J. Guiart,
The Arts of the South Seas; M. Leiris, *The
Arts of Africa*; F. Boas, *Primitive Art*.

649(a) Classes

Twenty classes, Michaelmas and
Lent Terms.

In connection with Course No. 649.

For B.Sc. (Soc. Anth.) Part III, 2c.
Optional for Dip. Soc. Anth. (second year).

650 Social Anthropology (Classes)
Sessional.

For B.A./B.Sc. (Soc.), Branch II (third
year); B.A./B.Sc. (Soc.), Branch I, 9 and
10h; B.Sc. (Econ.) Part I: alternative
subject *Principles and Methods of Social
Anthropology*; B.Sc. (Econ.) Part II:
special subject Social Anthropology; B.Sc.
Soc. Psych. students taking Soc. Anth.
as a $\frac{1}{2}$ unit.

(ii) Regional

651 Ethnography of the Mediterranean Area

Mr Loizos. Ten lectures and ten
classes, Lent Term.

For B.Sc. (Soc. Anth.) Part III, 2a;
B.Sc. (Econ.) Part II: special subject
Social Anthropology (second and third
years); Dip. Soc. Anth. (Special Area:
Mediterranean) (first year).

Syllabus Through the discussion of recent
ethnographies key topics in the Medi-
terranean area will be analysed, including
marriage, social stratification, patronage,
values and community-nation relation-
ships.

Essential reading *C. Lison-Tolosana,
*Belmonte de los Caballeros: A Sociological
Study of a Spanish Town*; J. Campbell,
Honour, Family and Patronage; J. F.
Boissevain, *Saints and Fireworks: Religion
and Politics in Rural Malta*; A. Cohen,
Arab Border-Villages in Israel; E. Marx,
Bedouin of the Negev; * E. Gellner,
Saints of the Atlas.

Note The books marked with an asterisk
above will constitute the basic material
for part of the work in the course unit
Advanced Ethnography (Course No. 646).

Teaching may be available by
arrangement at either University
College or the School of Oriental and
African Studies for the following
ethnographic areas: East Africa,
Central Africa, West Africa, India,
South-East Asia, Melanesia.

(iii) Applied

652 Anthropological Approaches to Social Change

Mrs Sommerfelt. Ten lectures, Michaelmas Term.

For B.Sc. (Econ.) Part II: *Social Aspects of Political and Economic Development*, VI 8k (third year); XIII 2b (second and third years); optional for B.A./B.Sc. (Soc.) Branch III, 7b (third year); Special Course for Overseas Administrators; Dip. Soc. Admin., Overseas Option only (one-year); Dip. Soc. Anth. (second year); Dip. Development Admin.

Syllabus A review of anthropological contributions to the study of social change, primarily in ex-colonial and developing countries. The effects of political, economic and technological intrusions, colonial and post-colonial, into tribal and peasant societies, especially upon indigenous political, economic, religious and kinship systems.

Essential reading L. P. Mair, *Anthropology and Social Change; New Nations*; P. Worsley, *The Third World*; P. C. Lloyd, *Africa in Social Change*; A. Southall (Ed.), *Social Change in Modern Africa*; I. M. Lewis (Ed.), *History and Social Anthropology*; C. Belshaw, *Traditional Exchange and Modern Markets*; P. Bohannan, *African Outline*; P. H. Gulliver (Ed.), *Tradition and Transition in East Africa*; R. Firth and B. S. Yamey (Eds.), *Capital, Saving and Credit in Peasant Societies*. Other reading will be suggested in the course of the lectures.

652(a) Applied Anthropology and Social Development in Low-Income Countries

Mrs Sommerfelt. Twenty classes, Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II: *Social Aspects of Political and Economic Development*, VI 8k; XIII 2b (third year); Dip. Soc. Anth. (second year); Dip. Soc. Admin., Overseas Option only (one year).

Syllabus Class work will centre upon the study of a number of specific monographs illustrating general issues, and some time may be given to a consideration of practical implications.

Recommended reading will be given during the course.

(iv) Special

653 A Programme of Ethnographic Films

Dr Woodburn. Sessional.

For all students, undergraduate and graduate, taking Anthropology as any part of their course.

FOR GRADUATE STUDENTS

655 Seminar on Anthropological Theory

Professor Lewis and other members of the department. Sessional.

For senior graduate students. Admission by permission of Professor Lewis. This seminar is not open to students taking qualifying examinations.

656 Seminar on Current Anthropological Themes

Dr Woodburn and Mrs Sommerfelt. Michaelmas and Lent Terms.

For first- and second-year graduate students. Admission by permission of Dr Woodburn.

657 Seminar on Research Techniques

Dr La Fontaine and Mr Forge. Lent and Summer Terms.

For all graduate students other than first-year diploma students and those taking qualifying examinations.

658 Regional Seminars

Seminars on the anthropological study of (i) Asia (ii) Melanesia and (iii) Africa may be arranged.

659 Teaching Seminar

Dr Bloch. Sessional.

For first-year diploma students and graduate students taking qualifying examinations.

Reference should also be made to the following course:

No. 368 Language and Society (Seminar)

Intercollegiate Seminars for Staff and Senior Graduate Students

Admission by permission of Seminar Chairmen

The Formation of Migrant Communities

Chairman: Professor Mayer
Michaelmas Term. At S.O.A.S.

Means of Payment

Chairman: Dr M. Douglas
Lent Term. At U.C.L.

Symbolism and Ritual

Chairman: Mr Forge
Summer Term. At L.S.E.

Fieldwork Methods

Chairman: Professor Gulliver
Michaelmas Term. At S.O.A.S.

Demography

680 Introduction to Demography

Mr Carrier. Twenty lectures and twenty classes, Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II: *Demography II*, X 7 and 8b; XI 5, 6 and 7g; B.Sc. (Maths.): *Demography II*, 5-8j (second year); Dip. Stats.

Syllabus Sources and reliability of population statistics. Development of censuses and vital statistics. The interpretation of population statistics. The analysis of mortality, nuptiality and fertility.

Recommended reading GENERAL: A. M. Carr-Saunders, *World Population*; F. Lorimer and F. Osborn, *Dynamics of Population*; Royal Commission on Population, *Report* (Cmd. 7695); J. J. Spengler and O. D. Duncan (Eds.), *Population Theory and Policy: Selected Readings*; P.E.P., *World Population and Resources*.

METHODS: R. R. Kuczynski, *Measurement of Population Growth*; D. V. Glass, *Population Policies and Movements in Europe* (Appendix); H. M. Woods and W. T. Russell, *Introduction to Medical Statistics*; L. I. Dublin, A. J. Lotka and M. Spiegelman, *Length of Life*; A. B. Hill, *Principles of Medical Statistics*; M. Spiegelman, *Introduction to Demography*; U.K. Royal Commission on Population, *Selected Papers of the Statistics Committee*; J. J. Spengler and O. D. Duncan (Eds.), *Demographic Analysis: Selected Readings*; G. W. Barclay, *Techniques of Population Analysis*.

SOURCES: The General Reports of the various Censuses of England and Wales; The Registrar-General, *Statistical Review of England and Wales*; J. Koren (Ed.), *History of Statistics*; H. L. Westergaard, *Contributions to the History of Statistics*; United Nations, *Demographic Yearbook*; United Kingdom, Interdepartmental Committee on Social and Economic Research, *Guides to Official Sources*, No. 2, *Census Reports of Great Britain, 1801-1931*; P. R. Cox, *Demography*. References to articles and works of specialised interest will be given in the lectures.

681 Mathematics of Population Growth

Mr Carrier. Ten lectures, Michaelmas Term.

For B.Sc. (Econ.) Part II: *Demography II*, X 7 and 8b; XI 5, 6 and 7g; B.Sc. (Maths.): *Demography II*, 5-8j (third year); Dip. Stats.; optional for M.Sc.: *Demography II*, III 2. Recommended for other graduate students.

Students will be expected to have attended Course No. 680 Introduction to Demography, and to possess some knowledge of the calculus and of linear algebra.

Syllabus A study of certain aspects of stationary and stable populations with practical applications. Application of matrix algebra.

Recommended reading E. C. Rhodes, "Population Mathematics" (*Journal of the Royal Statistical Society*, 1940); United Nations Bureau of Social Affairs, *Population Studies*, No. 22, *Age and Sex Patterns of Mortality*; No. 25, *Methods of Population Projections by Sex and Age*; No. 26, *The Aging of Populations and its Economic and Social Implications*; N. Keyfitz, "The Intrinsic Rate of Natural Increase and the Dominant Root of the Projection Matrix" (*Population Studies*, March, 1965); N. Keyfitz, "Finite Approximations in Demography" (*Population Studies*, March, 1966). Detailed references will be given as the course proceeds.

682 Elements of Demographic Analysis I

Mr Langford and Dr Thapar. Twenty-two hours, Sessional.

For B.Sc. (Econ.) Part II: *Demography I*, IX 8a (second year); B.A./B.Sc. (Soc.) Branch I, 9 and 10e (second year); B.Sc. (Geog.) C 251.

Syllabus Sources and reliability of population statistics. The life table and its applications. Simple techniques of population projection. Cohort analysis. The study of mortality, nuptiality and fertility. The effect of vital rates on age structure and population growth.

Recommended reading GENERAL: A. M.

Demography

Carr-Saunders, *World Population*; Royal Commission on Population, *Report* (Cmd. 7695); P.E.P., *World Population and Resources*.

METHODS AND SOURCES: G. W. Barclay, *Techniques of Population Analysis*; P. R. Cox, *Demography*; B. Benjamin, *Health and Vital Statistics*; Interdepartmental Committee on Social and Economic Research, *Guides to Official Sources*, No. 2, *Census Reports of Great Britain 1801-1931*; Census 1951, England and Wales, *General Report*; Census 1961, Great Britain, *General Report*; General Register Office, *Matters of Life and Death*; *Statistical Review of England and Wales* (especially the *Commentary* volumes of recent years); United Nations, *Demographic Yearbook* (especially the introductory text of successive volumes). Further references will be given in the lectures.

683 Elements of Demographic Analysis II

Mr Langford and Dr Thapar. Twenty hours, Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II: *Demography I*, IX 8a; B.A./B.Sc. (Soc.) Branch I, 9 and 10e, Branch II, 10b (third year); B.Sc. (Geog.) C 251.

684 Population Trends and Policies

Professor Glass. Ten lectures, Michaelmas Term.

For B.Sc. (Econ.) Part II: *Demography I*, IX 8a; *Demography II*, X 7 and 8b; XI 5, 6 and 7g; B.A./B.Sc. (Soc.) Branch I, 9 and 10e; B.Sc. (Maths.): *Demography II*, 5-8j (second year); B.Sc. (Geog.) C 251; M.Sc.: *Demography I*, III 1; XIX 3ix; Dip. Stats.; Dip. Development Admin. Recommended for other graduate students.

Syllabus The growth and distribution of world population since 1800. Historical trends and territorial differentials in mortality. The course and levels of fertility. International migration. The contemporary demographic situation. The

development of the small family. Family size and socio-economic characteristics. Stages of demographic and industrial development. The demographic problems of underdeveloped territories. Population theory and policy.

A reading list will be given at the first lecture in the course.

684(a) Population Trends and Policies Class

Professor Glass. Michaelmas Term.

For B.Sc. (Econ.) Part II: *Demography I*, IX 8a; *Demography II*, X 7 and 8b; XI 5, 6 and 7g; B.A./B.Sc. (Soc.) Branch I, 9 and 10e; B.Sc. (Maths.): *Demography II*, 5-8j (second and third years); B.A./B.Sc. (Soc.) Branch II, 10b (third year); B.Sc. (Geog.) C 251; Dip. Stats.

685 Mathematical Techniques for the Manipulation and Analysis of Demographic Data

Mr Carrier. Ten lectures of two hours each, Lent Term.

For B.Sc. (Econ.) Part II: *Demography II*, X 7 and 8b; XI 5, 6 and 7g; B.Sc. (Maths.): *Demography II*, 5-8j (third year); Dip. Stats.; optional for M.Sc.: *Demography II*, III 2. Other students will be admitted only by permission.

Syllabus Manipulation of data classified by age and similar variables. The measurement of infant mortality and fertility. Mathematical models.

Recommended reading will be given during the course.

686 Demography Revision Class

Mr Carrier. Five classes, Summer Term.

For B.Sc. (Econ.) Part II: *Demography II*, X 7 and 8b; XI 5, 6 and 7g; B.Sc. (Maths.): *Demography II*, 5-8j (third year); Dip. Stats.

FOR GRADUATE STUDENTS

687 Formal Demography

Mr Hobcraft and Dr Thapar. Twenty-five hours of lectures and classes, Michaelmas and Lent Terms.

For M.Sc.: *Demography I*, III 1; XIX 3ix.

Syllabus The construction and use of life tables and other indices of mortality. The concepts of stationary and stable populations. The measurement of fertility and replacement.

688 The Collection and Analysis of Demographic Data on Under-developed Countries

Mr Langford and Mr Brass. Sixty hours, Sessional.

Michaelmas Term: For M.Sc.: *Demography I*, III 1; XIX 3ix.

Lent and Summer Terms: For M.Sc.: *Demography II*, III 2.

Syllabus The design of census-type inquiries. The content and design of census questionnaires. The structure of a census organization. Recruitment and training of field staff. Enumeration problems. The design of special inquiries for the determination of birth and death rates and of population growth. Processing techniques and problems. Analysis of age-sex distributions. Estimation of fertility and mortality rates from census and survey data. Use of model life tables and stable population models.

Recommended reading United Nations, *Handbook of Population Census Methods* (3 vols.); R. Blanc, *Manual of Demographic Research in Underdeveloped Countries*; U.N. Economic Commission for Africa, *Methods and Problems of African Population Censuses and Surveys, 1955-64*; Norma McArthur, *Introducing Population Statistics*; 1960 Population Census of Ghana, Volume V, *General Report*; Hong Kong, *Report of the Census,*

1961 (3 vols.); United Nations, *Handbook of Vital Statistics Methods*; U.N. Economic Commission for Africa, *Methods and Problems of Civil Registration and Vital Statistics Collection in Africa*; United Nations, *Guanabara Demographic Pilot Survey*; International Population Conference, New York, 1961, Papers for Meeting 10; International Population Conference Ottawa, 1963, Papers for meeting on "Vital Statistics from Limited Data"; World Population Conference, Belgrade, 1965, Papers for Meeting B.6; U.N. Economic Commission for Africa, Papers for the *African Seminar on Vital Statistics* (1964) and for the *Working Group on Censuses of Population and Housing* (1965); W. Brass, papers in *Population Studies*, Vol. VII, No. 2, Vol. VIII, No. 1, Vol. XIV, No. 2; C. A. L. Myburgh, Paper in *Population Studies*, Vol. X, No. 2; United Nations, *Manuals on Estimating Populations.*

689 The Detection and Reduction of Errors in Demographic Data

Mr Hobcraft. Thirty hours, Michaelmas and Lent Terms.

For M.Sc.: *Demography II*, III 2.

Syllabus Simple plausibility tests. Self-consistency and independent tests. The oblique axis ogive. The treatment of digital preference. Graduation by survivorship ratios. Under-enumeration at young ages and overstatement of age at old ages. Sex ratio tests. Testing birth and death registration. Application of stable and quasi-stable population models.

Recommended reading will be given during the course.

690 Population Trends and Policies (Seminar)

Professor Glass and others. Fortnightly, Sessional.

For M.Sc.: *Demography I*, III 1; XIX 3ix.

Syllabus Trends and patterns of mortality, marriage and fertility in both western and non-western societies.

691 Design and Analysis of Investigations relating to Fertility and Birth Control (Seminar)

Professor Glass, Mr Langford, Dr Thapar and others. Fortnightly, Lent and Summer Terms.

For M.Sc.: *Demography I*, III 1; XIX 3ix.

Syllabus Purpose and design of fertility surveys. The use of surveys in connection with the formulation and implementation of birth control programmes. Problems of questionnaire design in fertility and other demographic surveys.

692 Techniques of Demographic Analysis

Dr Thapar. Ten lectures and ten classes, Lent and Summer Terms.

For M.Sc.: *Demography I*, III 1; XIX 3ix

Syllabus Examination, analysis and interpretation of data collected through censuses, vital registration and demographic surveys.

Recommended reading will be given during the course.

Psychology

695 Introduction to General and Social Psychology

Sections (i), (ii), (iii) and (iv) for B.Sc. (Soc. Psych.) (first year). Sections (i) and (iii) for B.Sc. (Econ.) Part I: alternative subject 10, *Introduction to Psychology*; Dip. Soc. Admin. incl. Overseas Option (first year and one-year); B.A./B.Sc. (Soc.) Branches I, 5; III (first year). Selected lectures for B.Sc. (Econ.) Part II: *Social Psychology*, IX 8b (second year).

(i) Fundamentals of Psychology

Dr A. P. E. L. Sealy and Mrs Geber. Twenty-five lectures, Sessional.

Syllabus The genetic bases of behaviour; analysis of learned and unlearned patterns of behaviour in man and animals. Perceptual learning, concept formation and the process of categorisation. The development of intelligence and personality.

Interaction in small groups; dynamics of small group behaviour including leadership and decision making.

(ii) Context of Psychology

Mr Hotopf. Ten lectures, Michaelmas and Lent Terms.

Syllabus Relationship of psychology to other sciences. Its history seen in terms of its relation to philosophy, the social and natural sciences. Behaviourism *versus* introspectionism, a conceptual and methodological confrontation. The independent origin of Freudian theory. The unconscious. Later historical developments.

(iii) Socialisation

Professor Himmelweit. Five lectures, Lent Term.

Syllabus Socialisation as an adaptation of the individual to the values and norms of relevant groups. The process of socialisation: social learning, imitation, modelling. Effectiveness of socialisation

depending on timing (concept of stages, critical periods and incidents) as well as on past socialising experiences. Social class differences: effect of family, school, work, culture and Zeitgeist. Adult socialising experiences. Deviance.

(iv) Social Organization in Animals and Man

Dr A. P. E. L. Sealy and Mrs Geber. Five lectures, Summer Term.

Recommended reading will be given during the course.

Syllabus Comparative study of social organization; animal social behaviour including social dominance, territoriality, population adjustment.

695(a) Introduction to General and Social Psychology (Classes)

Sessional.

For B.Sc. (Soc. Psych.) (first year).

695(b) Introduction to General and Social Psychology (Classes)

Fortnightly, Sessional.

For B.Sc. (Econ.) Part I: alternative subject 10, *Introduction to Psychology*; B.A./B.Sc. (Soc.) Branch I, 5 (first year).

695(c) Introduction to General and Social Psychology (Classes)

Fortnightly, Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II: *Social Psychology*, IX 8b (second year).

696 Foundations of Experimental Psychology

Mr Seaborne. Twenty lectures, Michaelmas and Lent Terms.

For B.Sc. (Soc. Psych.) (first year).

Syllabus Processes of information intake, psychophysical judgment, signal detection, perceptual organization, selective attention. Conditions for the acquisition of learned behaviour: classical and instrumental

Psychology

conditioning, generalisation, discrimination and transfer of training. The role of incentives and motivation in learning, problems of reinforcement, reward schedules, brain mechanisms in reinforcement. Extinction and forgetting, interference theories, autonomous changes in memory, short-term memory. Development of learning capacity, learning sets, critical learning periods. Social learning, observational learning, social reinforcers.

Recommended reading will be given during the course.

696(a) Foundations of Experimental Psychology (Laboratory Sessions)

Mr Seaborne. Weekly, Sessional.

697 Biological Foundations of Psychology

Professor Wolpert (Middlesex Hospital Medical School). Twenty lectures, Michaelmas and Lent Terms.

For B.Sc. (Soc. Psych.) (first year).

Syllabus Basic cell structure and function. Organization of tissues and elements of mammalian physiology and anatomy. Hormones. Reproduction. Neuronal properties and the structure and function of the nervous system including sense organs. The effect of drugs on the nervous system. Genetics: Mendelism, linkage, population and quantitative aspects.

697(a) Biological Foundations of Psychology (Laboratory Sessions)

Michaelmas and Lent Terms.

698 Social Psychology: Cognition, Attitudes and Social Behaviour

Sections (i) and (ii) for B.Sc. (Soc. Psych.) (second year). Sections (i) and (iii) for B.Sc. (Econ.) Part II: *Social Psychology*, IX 8b; B.A./B.Sc. (Soc.) Branch I, 5; Branch II, 10a (third year); Branch III; B.Sc. (Soc. Anth.) Part II, 3d (second year); B.Sc. (Geog.) C 451: 1 course unit.

(i) Attitudes and Social Behaviour I

Mr A. D. Jones. Ten lectures, Michaelmas Term.

Syllabus The nature of attitudes. Cognitive, emotional and behavioural aspects of attitudes. The functional basis of attitude formation. Social processes of attitude elicitation. Stereotypes and prejudice attitudes. The basis of attitude measurement. The principle of consistency of attitudes.

(ii) Attitudes and Social Behaviour II

Mr A. D. Jones. Ten lectures, Lent Term.

Syllabus Consistency models of attitudes, beliefs and behaviour. Balance, dissonance and congruity. Information, persuasion and attitude change. Attitudes and conflict, decision making and group membership. Social comparisons process, equity and affiliation. Attitudes and group functioning, including leadership and power in groups, conformity, efficiency and satisfaction.

(iii) Psychological Approaches to the Study of Society

Mr A. D. Jones. Ten lectures, Lent Term.

Syllabus Personality and social behaviour. The processes of socialisation, personality traits and their relationship to racial conflict, economic organization and development. The relationship between cultural and social class characteristics and intelligence, perception and attitudes etc. Rules and behaviour in institutions. Selected topics from industrial psychology, mass media studies, exchange theory, interpersonal communication and group dynamics.

Recommended reading will be given during the course.

698(a) Social Psychology: Cognition and Attitudes (Classes)

Sessional.

For B.Sc. (Soc. Psych.) (second year).

698(b) Social Psychology: Cognition and Attitudes (Classes)

Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II: *Social Psychology*, IX 8b; B.A./B.Sc. (Soc.) Branch I 5; Branch II 10a (third year).

698(c) Social Psychology: Cognition and Attitudes (Classes)

Michaelmas and Lent Terms.

For B.Sc. (Soc. Anth.) Part II 3d (second year); B.Sc. (Geog.) C 451.

699 (i) Assumptions and Methods of Social Psychological Research

Members of the department.

Twenty-four lectures, Sessional.

For B.Sc. (Soc. Psych.) (second year).

Syllabus Measurement of personality, attitudes and cognition. Traditional attitude scaling methods; projective techniques; reliability and validity; introduction to multivariate statistics; measurement of cognitive structure. Survey research, questionnaire design and interviewing. Survey design; sampling; questionnaire wording; problems of bias and distortion in surveys; interview techniques. Problems in experimental social psychology. Simple and complex factorial designs; repeated measures designs; simulation and related methods; problems of experimenter bias and the use of deception in experimental procedures. Observation and analysis of group behaviour. Experience in handling Bales's and other techniques; content analysis.

699 (ii) Psychological Statistics

Miss Stockdale and other members of the department.

For B.Sc. (Soc. Psych.) (second year).

699 (ii) (a) Classes

Sessional, in connection with Course No. 699 (ii).

Optional for third-year undergraduates in Sociology, Anthropology and Social Administration.

700 Learning, Memory and Thinking

Mr Seaborne. Twenty-five lectures,

Sessional.

For B.Sc. (Soc. Psych.) (second year).

Syllabus The course will deal with recent studies of learning especially those concerned with complex behavioural processes such as social learning, changes in cognitive functioning with age, perceptual learning, language development and abnormal behaviour.

700(a) Learning, Memory and Thinking (Classes)

Fortnightly, Sessional.

701 Personality, Motivation and Development

For B.Sc. (Soc. Psych.) (second year).

(i) Personality and Motivation

Dr A. P. E. L. Sealy. Twenty-five lectures, Sessional.

Syllabus Clinical *versus* statistical prediction in the study of personality; individual differences in personality as revealed by description, self-report, behaviour, physiological reactions and symptom clusters. Concepts of trait, type and dimension. Structure of personality and mechanics of ego defence. Ego and self; theories of human motivation and emotion.

Recommended reading I. Janis, R. Holt, I. Kagan and G. F. Muhl, *Personality*; S. Maddi, *Personality Theories: a Comparative Analysis*; C. Hall and G. Lindzey, *Theories of Personality*; C. Hall and G. Lindzey, *Theories of Personality: Readings*; G. W. Allport, *Pattern and Growth in Human Personality*; H. Eysenck, *The Structure of Human Personality*; R. Munroe, *Schools of Psychoanalytic Thought*; S. Freud, *New Introductory Lectures*; A. Freud, *The Ego and the Mechanisms of Defence*; P. Fraisse and J. Piaget, *Motivation, Emotion and Personality*; R. S. Lazarus and E. Opton (Eds.), *Personality*; C. N. Cofer and M. H. Appley, *Theories of Motivation*.

(ii) Child Development

Mrs Geber. Twenty-five lectures,

Sessional.

Syllabus Physical and biological growth and maturation. Foetal and neonatal development. Social attachments; social and emotional development. The psychology of play. Cognitive growth and the development of intelligence. Theories of intelligence. Psychodynamic and learning theory, approaches to child development. Patterns of child rearing; family interaction and school and peer group effects on development. Adolescence, maturity and ageing.

Recommended reading P. Mussen, J. Kagan and J. Conger, *Child Development and Personality*; H. W. Maier, *Three Theories of Child Development*; J. H. Flavell, *The Developmental Psychology of Jean Piaget*; J. Bruner, R. R. Olver and P. M. Greenfield, *Studies in Cognitive Growth*; S. Isaacs, *Social Development in Young Children*; R. Sears, L. Rau and R. Alpert, *Identification and Child Rearing*; J. McV. Hunt, *Intelligence and Experience*; J. Bowlby, *Attachments and Loss*, Vol. 1.

Other reading will be given during the course.

701(a) Personality, Motivation and Development (Classes)

Sessional.

702 Perception and Skill

Mr Hotopf. Twenty-five lectures, Sessional.

For B.Sc. (Soc. Psych.) (second year).

Syllabus Perceptual organization. Constancies. Visual illusions. Frame of reference and set as organizing factors. Phoneme perception. Temporal relationships in perception. Theories of perception: Gestalt, Hebb and information theory approaches. The characteristics of skilled behaviour. Control and adaptive system models of skill. Theories of attention. Anticipation, short-term storage and information-processing in skill. Reception and production of language.

Motor theories of perception. Theories of pattern recognition.

Recommended reading INTRODUCTORY:

R. L. Gregory, *Eye and Brain*; J. E. Hochberg, *Perception*; G. A. Miller, E. Galanter and K. H. Pribram, *Plans and the Structure of Behaviour*; M. D. Vernon, *The Psychology of Perception*; A. Summerfield (Ed.), *Experimental Psychology (Brit. Med. Bull., 1964, XX)*; W. Koehler, *Gestalt Psychology*.
TEXTBOOKS: P. M. Fitts and M. I. Posner, *Human Performance*; J. J. Gibson, *Perception of the Visual World*; D. O. Hebb, *The Organisation of Behaviour*; U. Neisser, *Cognitive Psychology*; D. A. Norman, *Memory and Attention*.
FURTHER READING: E. A. Bilodeau (Ed.), *The Acquisition of Skill*; D. E. Broadbent, *Perception and Communication*; E. G. Boring, *Sensation and Perception in the History of Psychology*; W. N. Dember, *The Psychology of Perception*; C. W. Eriksen (Ed.), *Behaviour and Awareness*; C. Cherry (Ed.), *Information Theory*; R. N. Haber (Ed.), *Contemporary Theory and Research in Visual Perception*; F. P. Kilpatrick (Ed.), *Human Behaviour from the Transactional Point of View*; K. Koffka, *Principles of Gestalt Psychology*; A. F. Sanders (Ed.), *Attention and Performance*; L. Uhr (Ed.), *Pattern Recognition*; M. D. Vernon (Ed.), *Experiments in Visual Perception*, A. T. Welford, *Fundamentals of Skill*; H. A. Witkin *et al.*, *Personality through Perception*.

702(a) Perception and Skill (Classes)

Mr Hotopf. Fortnightly, Sessional.

703 Laboratory Practical Course

Members of the department.

Sessional.

For B.Sc. (Soc. Psych.) (second year). Associated with 698, 699, 700, 701 and 702.

704 The Role of the Mass Media

Professor Himmelweit. Five lectures, Lent Term.

For graduate students. Optional for undergraduates in other departments.

705 Psychoanalytic Theories

Dr Couch. Five lectures, Lent Term.

For B.Sc. (Soc. Psych.) (second year). Optional for graduates and third-year undergraduates in other departments.

Syllabus Nature of psychoanalytic theories, their history and development: Freud, Jung, Adler, Horney, Fromm, Eriksen and others. Psychoanalytic view of personality development and of interaction between individuals and groups. Psychoanalysis as a therapeutic technique.

Recommended reading will be given at the beginning of the course.

FOR GRADUATE STUDENTS

706 Psychology Seminar

Professor Himmelweit. Fortnightly, Sessional.

For graduate students. Papers are presented by invited speakers.

707 Child Development and Socialisation (Seminar)

Dr A. P. E. L. Sealy, Professor Himmelweit, Mr R. Holmes and Mr Seaborne. Sessional.

For M.Sc.: *Child Development and Socialisation*, XVIII 1.

708 Communication, Attitude Change and Innovation (Seminars)

For M.Sc.: *Communication, Attitude Change and Innovation*, XVIII 6 and other graduate students.

(i) Psychology of Social Change

Mr A. D. Jones. Sessional.

(ii) Communication and Attitude Change

Professor Himmelweit. Sessional.

709 Language, Thought and Communication (Seminar)

Mr Hotopf. Sessional.

For M.Sc.: *Language, Thought and Communication*, XVIII 2.

710 Social Psychological Methods of Research

Dr Oppenheim and other members of the department. Sessional.

711 Social Psychology of Organizations (Seminar)

Mr R. Holmes. Sessional.

For M.Sc.: *Social Psychology of Organizations*, XVIII 4.

712 Personality (Seminar)

Dr A. P. E. L. Sealy. Sessional.

For M.Sc.: *Personality*, XVIII 9. Before joining this course it is suggested that students should be well acquainted with the following or their equivalents:

L. Janis, R. Holt, I. Kagan and G. F. Mahl, *Personality*; S. Maddi, *Personality Theories*; E. Borgatta and W. Lambert, *Handbook of Personality Theory and Research*, chaps. 7, 10, 12, 20 and 21.

Syllabus The seminar will be centred on four main topics:

(i) The search for structural invariance in the measurement and description of personality.

(ii) Personality and systems of behaviour, with particular consideration of cognitive systems, stress-coping mechanisms, activation and control systems.

(iii) Self, role and alienation.

(iv) The measurement of complex processes; a consideration of techniques applicable to cognitive and other aspects of personality.

713 Groups and Group Functioning (Seminar)

For M.Sc. *Groups and Group Functioning*, XVIII 3.

714 Social Psychology of Conflict (Seminar)

Dr Oppenheim. Sessional.

For M.Sc.: *Social Psychology of Conflict*, XVIII 5.

715 Person Perception (Seminar)

Mrs Geber. Sessional.

For M.Sc.: *Person Perception*, XVIII 8.

716 Industrial Psychology

Mr R. Holmes. Thirteen lectures and classes, Michaelmas and Lent Terms.

For M.Sc.: *Operational Research Methods*, XII 3 (iii); *Industrial Psychology*, XIII option h.

Syllabus Individual maturation and maladjustment. Factors leading to the formation of industrial groups. Morale and individual breakdown; co-operative and competitive situations, resistance to change.

The nature of incentives. Supervisory and other leadership. Psychological and organizational factors in communication.

Recommended reading M. S. Viteles, *Motivation and Morale in Industry*; N. R. F. Maier, *Psychology in Industry*; H. Croome, *Human Problems of Innovation*; J. Woodward, *Management and Technology*; D. Krech, R. S. Crutchfield and E. L. Ballachey, *Individual in Society*.

Further reading will be recommended during the course.

717 Recent Advances in the Field of Social Psychology (Seminar)

Members of the department.

Psychology graduates are expected to attend Course No. 993 and are also referred to Courses Nos. 704 and 705.

Social Science and Administration

720 History of Social Policy

Dr Harris. Ten lectures, Michaelmas Term.

For B.A./B.Sc. (Soc.) Branch I, 9 and 10b; Branch III, 4 (second year); Dip. Soc. Admin. (one-year and first year); B.Sc. (Geog.) C 303.

Syllabus An outline of changes in the theory and practice of English social policy before 1939.

Recommended reading D. Roberts, *Victorian Origins of the British Welfare State*; E. Chadwick, *Report on the Sanitary Condition of the Labouring Population of Great Britain*; P. Smith, *Disraelian Conservatism and Social Reform*; J. Simon, *English Sanitary Institutions*; B. Gilbert, *The Evolution of National Insurance in Great Britain*; R. Skidelsky, *Politicians and the Slump*; T. H. Marshall, *Social Policy*.

721 Social Policy

Professor Titmuss. Ten lectures, Michaelmas Term.

For B.A./B.Sc. (Soc.) Branch I, 9 and 10b; Branch III, 4 (third year); B.Sc. (Geog.) C 303; Dip. Soc. Admin. (one-year incl. Overseas Option and second year); Dip. Development Admin.

Syllabus Definition, scope and content of social policy. Theoretical and philosophical considerations in assessing the role of government in the field of social welfare. Issues of principle, methods of studying and the use of welfare models. The theory and practice of redistribution; the measurement of benefits and the costs of change. The application of models to the British welfare system. Objectivity and value choices.

Recommended reading Maurice Bruce, *The Coming of the Welfare State*; D. V. Donnison *et al.*, *Social Policy and Administration*; T. H. Marshall, *Social Policy*; R. K. Merton and R. A. Nisbet, *Contemporary Social Problems*; Talcott Parsons, *The Structure of Social Action*;

The Social System; K. E. Boulding, *Principles of Economic Policy*; J. K. Galbraith, *The Affluent Society*; Wilbert Moore, *Social Change*; S. I. Benn and R. S. Peters, *Social Principles and the Democratic State*; G. D. Gurvich, *The Spectrum of Social Time*; Joan Robinson, *Economic Philosophy*; R. M. Titmuss, *Commitment to Welfare*; K. J. Arrow, "Uncertainty and the Welfare Economics of Medical Care" (*The American Economic Review*, Vol. LIII, No. 5, Dec. 1963); D. S. Lees, *Freedom or Free-for-all?*; W. G. Runciman, *Relative Deprivation and Social Justice*; A. MacIntyre, *A Short History of Ethics*.

722 Development of Social Administration

Various lecturers. Twenty-five lectures, Sessional.

For B.A./B.Sc. (Soc.) Branch I, 9 and 10b; Branch III, 4 (second year); Dip. Soc. Admin. (one-year incl. Overseas Option and first year); B.Sc. (Geog.) C 303; Dip. Development Admin.

Syllabus An introduction to the subject of Social Administration followed by an examination of the more recent developments since the 1930s. A survey in greater detail of the main fields of social administration: income redistribution, education, the housing market, medical care and the personal social services.

Recommended reading M. P. Hall (Ed. A. Forder), *The Social Services of England and Wales*; D. V. Donnison *et al.*, *Social Policy and Administration*; T. H. Marshall, *Social Policy*; K. M. Slack, *Social Administration and the Citizen*; R. M. Titmuss, *Essays on the Welfare State*; R. M. Titmuss, *Commitment to Welfare*; L. M. Brown, *Introduction to Social Administration in Britain*.

723 Policy Problems in Health Services

Professor Abel-Smith. Five lectures, Lent Term.

For B.A./B.Sc. (Soc.) Branch I, 9 and

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10b; Branch III, 4 (third year); Dip. Soc. Admin. (one-year incl. Overseas Option and second year).

Syllabus The origins of the National Health Service and its organization. Comparisons with other countries. Methods of financing medical care. The economics of health services. The use of manpower in the health sector. Problems of hospital planning and organization. Co-ordination in the National Health Service. Problems of measuring need and demand.

Recommended reading A. Lindsey, *Socialized Medicine in England and Wales*, B. Abel-Smith, *The Hospitals 1800-1948*; B. Abel-Smith, *A History of the Nursing Profession*; H. Eckstein, *Pressure Group Politics*; Rosemary Stevens, *Medical Practice in Modern England*; T. McKeown, *Medicine in Modern Society*; G. Forsyth and F. L. Logan, *The Demand for Medical Care*; H. Freeman and J. Farndale, *Trends in the Mental Health Services*; P.E.P., "Psychiatric Services in 1975" (*Planning*, Vol. XXIX, No. 468, 1963); Anne Cartwright, *Human Relations and Hospital Care*; R. W. Revans, *Standards for Morale*; Barbara Rodgers and Julia Dixon, *Portrait of Social Work*; D. Paige and K. Jones, *Health and Welfare Services in Britain in 1975*; B. Abel-Smith and Kathleen Gales, *British Doctors at Home and Abroad*; B. Abel-Smith, "Paying for Family Doctor Services" (*Medical Care*, Vol. I, No. 1, 1963); J. Hogarth, *The Payment of the General Practitioner*; H. E. Klarman, *The Economics of Health*; H. M. and A. Somers, *Doctors, Patients and Health Insurance*; Anne Cartwright, *Patients and their Doctors*; *Report of the Committee of Enquiry into the Relationship of the Pharmaceutical Industry with the National Health Service, 1965-7* (Cmnd. 3410); J. A. S. Forman, *Social Casework in General Practice*; J. Simpson *et al.*, *Custom and Practice in Medical Care*; *Royal Commission on Medical Education, 1965-8* (Cmnd. 3569); B. Abel-Smith, *An International Study of Health Expenditure* (W.H.O. Public Health Papers, No. 32); Department of Health and Social Security, *The Future of the National Health Service, 1970*.

724 Contemporary Problems in Social Administration

Various lecturers. Ten lectures, Lent Term.

For B.A./B.Sc. (Soc.) Branch I, 9 and 10b (third year); Branch III, 4 (second year); B.Sc. (Geog.) C 303; Dip. Soc. Admin. (one-year incl. Overseas Option and second year).

Syllabus Detailed consideration of a number of contemporary problems in social administration.

725 Social Policy and Planning

Professor Donnison. Ten lectures, Lent Term.

For M.Sc.: *Social Policy and Administration*, XVI 1; B.A./B.Sc. (Soc.) Branch III, 4 (third year); Dip. Soc. Admin. (one-year incl. Overseas Option and second year). Optional for B.A./B.Sc. (Soc.) Branch I, 9 and 10b (third year).

726 Social Administration (Classes)

For Dip. Soc. Admin., one-year (incl. Overseas Option), (first and second years); B.A./B.Sc. (Soc.) Branch I, 9 and 10b; Branch III, 4 (second and third years); B.Sc. (Geog.) C 303.

727 Central and Local Government Administration (Seminar)

Dr Regan and Mr. A. L. Webb. Sessional.

For B.A./B.Sc. (Soc.) Branch III, 7a (third year).

728 Community Development Methods

This course will not be given in the session 1970-71.

For Dip. Soc. Admin., one-year (Overseas Option only). Optional for M.Sc.: *Community Development*, XVI 2(v); Dip. Development Admin.

Syllabus The Community Development worker as an agent of change: his professional involvement, his authority, the skilled use of his personality; the

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setting of community development, surveys, problems of communication; contact groups and methods of approach; programmes and administration; the worker as enabler and resource person; technical support for local community effort; training of workers and voluntary auxiliaries.

Recommended reading G. M. Foster, *Traditional Cultures and the Impact of Technological Change*; T. R. Batten with M. Batten, *The Non-directive Approach in Group and Community Work*; *The Human Factor in Community Work*; T. R. Batten, *Training for Community Development*; U.N., *Community Development in Urban Areas* (Report by the Secretary-General, 1961); Clarence King, *Working with People in Small Communities*; *Working with People in Community Action*; W. H. Goodenough, *Cooperation in Change: an Anthropological Approach to Community Development*; R. A. B. Leaper, *Community Work*; W. W. Biddle with L. J. Biddle, *The Community Development Process*; *Encouraging Community Development*.
JOURNALS: *International Review of Community Development*; *The Community Development Journal*; *Human Organization*; *Ekistics*.

729 Community Organization

Professor Dasgupta. Nine lectures, Michaelmas Term.

Optional for Dip. Soc. Admin. one-year (Overseas Option only); Dip. Development Admin.

Syllabus Community organization as a method of social work; role of community organization in extension services and administration; aims and objects, values and motivations, steps and procedures; concept of participation; focus on relationship; psychological and sociological foundations of community organization; focus upon a geographical base—community organization and regional planning; role of institutions, direct and indirect, voluntary and statutory; the tools of community organization: groups, committees, records, training in community organization.

Recommended reading M. G. Ross with B. W. Lappin, *Community Organization, Theory, Principles and Practice*; Sanderson, de White and Polson, *Rural Community Organization*; B. and F. Strauss, *New Ways to Better Meetings*; G. Hendriks, *Community Organization*; E. B. Harper and A. Dunham, *Community Organization in Action*; National Council of Social Service, *Community Organisation: an Introduction*; *Working with Communities*; *Community Organisation: Work in Progress*; P. H. K. Kuenstler (Ed.), *Community Organization in Great Britain*; R. C. Wilson, *Difficult Housing Estates*; J. Spencer *et al.*, *Stress and Release in an Urban Estate*; R. Frankenberg, *Communities in Britain*; P. Jephcott, *A Troubled Area: Notes on Notting Hill*; U.K. Ministry of Housing and Local Government, *The First Hundred Families: Community Facilities for First Arrivals in Expanding Towns*; *The Needs of New Communities*; R. Morris and R. H. Binstock, *Feasible Planning for Social Change*; The Calouste Gulbenkian Foundation, *Community Work and Social Change*.

730 Social Policy in Developing Countries

Various lecturers.

(a) Classes

For Dip. Development Admin.; Dip. Soc. Admin., one-year (Overseas Option only).

(b) Seminar

Fortnightly, Sessional.

For Dip. Soc. Admin., one-year (Overseas Option only); B.A./B.Sc. (Soc.) Branch III, 7b (third year); M.Sc.: *Community Development*, XVI 2(v); Dip. Development Admin.

731 Social Structure and Social Policy in Societies Undergoing Industrialisation (Class)

For B.A./B.Sc. (Soc.) Branch III, 7b (third year).

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732 Introduction to Social Work

For Dip. Soc. Admin., one-year incl. Overseas Option and first year.

(i) Case Work

Miss Elkan. Three lectures, Lent Term.

(ii) Group Work

Miss Parsloe. Four lectures, Lent Term.

(iii) Community Work

Mr Goetschius. Three lectures, Lent Term.

733 Aspects of Social Work

Various lecturers. Ten lectures, Lent Term.

For Dip. Soc. Admin., one-year incl. Overseas Option and first year.

734 Social History

Professor McGregor. Sessional. At Bedford College.

For B.A./B.Sc. (Soc.) Branch III, 1 (first year).

734(a) Social History (Classes)

Sessional, in connection with Course No. 734.

735 British Social History: Special Aspects

Professor McGregor and others. Lent Term. At Bedford College.

For B.A./B.Sc. (Soc.) Branch III, 1 (second year).

735(a) British Social History (Seminar)

Professor McGregor. Sessional. At Bedford College.

For B.A./B.Sc. (Soc.) Branch III, 1 (third year).

Syllabus and recommended reading will be given during the course.

736 Elements of Government (Classes)

Fortnightly, Sessional, in connection with Course No. 417.

For B.A./B.Sc. (Soc.) Branch III, 2 (first year).

737 British Political, Administrative and Legal Institutions Case Studies (Classes)

Dr Burton and Mr Drewry. Michaelmas Term. At Bedford College.

For B.A./B.Sc. (Soc.) Branch III, 2 (second year).

Syllabus and recommended reading will be given at the beginning of the course.

737(a) British Political, Administrative and Legal Institutions (Classes)

Dr Burton and Mr Drewry. Fortnightly, Sessional. At Bedford College.

For B.A./B.Sc. (Soc.) Branch III, 2 (third year).

Syllabus and recommended reading will be given at the beginning of the course.

738 The Family in Law and Society

Professor McGregor and Dr Blom-Cooper. Twenty lectures, Michaelmas and Lent Terms. At Bedford College.

For B.A./B.Sc. (Soc.) Branch III, 7d (second year).

Syllabus and recommended reading will be given during the course.

738(a) The Family in Law and Society (Classes)

At Bedford College, in connection with Course No. 738.

For B.A./B.Sc. (Soc.) Branch III, 7d (third year).

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739 Introduction to Economic Analysis and its Application to Social Problems

Miss Nevitt. Twenty lectures, Michaelmas and Lent Terms.

For B.A./B.Sc. (Soc.) Branch III, 3 (first year); Dip. Soc. Admin. (one-year incl. Overseas Option and first year); Dip. Development Admin.; Dip. Personnel Management.

Syllabus An introduction to micro- and macro-economic analysis with some applications to current social policies and problems.

Recommended reading on current problems will be given as the lectures proceed. Students will be expected to select a basic introductory textbook which suits their stylistic tastes or to follow the recommended texts of their class tutors.

740 Social Economics: Public Finance

Professor Ilersic. Ten lectures, Michaelmas Term. At Bedford College.

For B.A./B.Sc. (Soc.) Branch III, 3 (second year).

Syllabus Growth and finance of public sector expenditure since 1900; principles and application of fiscal and budgetary policy; the U.K. tax structure including the local rate.

Recommended reading U. K. Hicks, *British Public Finances, 1820-1952*; Worswick and Ady, *The British Economy in the 1950s* (chap. 8); A. R. Ilersic, *Taxation of Capital Gains; Report of the Committee on Turnover Taxes* (Cmnd. 2300); *Report of the Committee of Inquiry into Impact of Rates on Households* (Cmnd. 2582); P. D. Henderson, *Economic Growth in Britain*.

741 Economics (Classes)

(a) Fortnightly, Sessional.

For Dip. Soc. Admin. (first year, second year and one-year, incl. Overseas Option).

(b) Fortnightly, Sessional.

For B.A./B.Sc. (Soc.) Branch III, 3 (first, second and third years).

742 Research Methods in Social Administration (Class)

Dr B. P. Davies. Sessional.

For Dip. Soc. Admin. (second year and one-year).

743 Personality and Abnormal Psychology

Mrs Wilkinson. Six lectures, Lent Term, beginning in the fifth week.

For B.A./B.Sc. (Soc.) Branch I, 5; (second year); Dip. Soc. Admin. (second year). Optional for Dip. Soc. Admin., incl. Overseas Option (one year).

Syllabus Concepts of abnormality; theories of personality; individual differences; defence mechanisms; personality disorders; psychoneuroses; functional psychoses; psychological aspects of organic pathology; sub-normality; behavioural approach to psychological disorders and therapy; psychiatric treatment.

Recommended reading will be given during the course.

744 Psychology in Social Administration

Professor Plowman. Five lectures, Summer Term.

For Dip. Soc. Admin. (one-year incl. Overseas Option and second year); B.A./B.Sc. (Soc.) Branch III (second year).

Syllabus and **recommended reading** will be given during the course.

745 Psychology (Classes)

(a) Fortnightly, Sessional.

For B.A./B.Sc. (Soc.) Branch III (first and second years).

(b) Fortnightly, Sessional.

For Dip. Soc. Admin. (one year incl. Overseas Option, first and second years).

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746 Social Structure (Classes)

(a) Fortnightly, Lent Term.

For Dip. Soc. Admin. (first year).

(b) Fortnightly, Sessional.

For Dip. Soc. Admin. (second year and one-year).

(c) Weekly, Lent and Summer Terms.

For Dip. Soc. Admin., Overseas Option (one-year).

(d) Fortnightly, Sessional.

For B.A./B.Sc. (Soc.) Branch III, 6 (first, second and third years).

747 Seminar in Social Administration

For B.A./B.Sc. (Soc.) Branch III (first year).

FOR GRADUATE STUDENTS

M.Sc.: Social Administration and Social Work Studies—Option A

748 Social Policy and Administration (Seminar)

Professor Titmuss, Professor Abel Smith and others. Sessional.

For M.Sc.: *Social Policy and Administration*, XVI 1; other students may attend with the consent of the lecturers.

Syllabus The formation and development of social policy. The evolution of aims and principles in relation to the growth of social welfare, fiscal welfare and occupational welfare. The problems of redistributive justice and ethical issues in social policy. The assessment of the effects of the social services and social policies. Concepts of need and social welfare. The contributions made by political, professional, and charitable bodies to the development of collective

action to promote social welfare. The structure, functions and forms of administration of social services provided by the state, charitable institutions and employers.

This course will be concerned only in general terms with special branches of the social services covered by other papers, e.g. social security, medical care and the welfare services. It will take account of historical developments and will include, where appropriate, comparative developments in other countries and focus on current policy questions.

Recommended reading M. Bruce, *The Coming of the Welfare State*; B. B. Gilbert, *The Evolution of National Insurance in Great Britain*; D. V. Donnison and others, *Social Policy and Administration*; R. M. Titmuss, *Essays on The Welfare State; Income Distribution and Social Change*; D. S. Lees, *Freedom or Free-for-all?*; W. G. Runciman, *Relative Deprivation and Social Justice*; Kathleen M. Slack, *Social Administration and the Citizen*; E. Burns, *Social Security and Public Policy*; A. B. Atkinson, *Poverty in Britain and the Reform of Social Security*.

749 Medical Care (Seminar)

Professor Abel-Smith and Mrs Rose. Sessional.

For M.Sc.: *Medical Care*, XVI 2(i); *Medical Sociology*, XIX 3 (xiv); other students may attend with the consent of the lecturers.

Syllabus The development and structure of health services: the social, demographic and economic facts relevant to planning health services; models of funding medical care; the evaluation of medical care services; cross cultural comparisons of medical care systems. Conceptions of health and disease: the sick role; doctor/patient relationship and communication; patient utilisation of services; the health professions: their education and inter-relationships; the sociology of hospitals and other medical organisations.

Recommended reading will be given at the beginning of the course.

750 Social Security (Seminar)
Professor Abel-Smith and Miss Nevitt.

For M.Sc.: *Social Security*, XVI 2(ii); other students may attend with the consent of the lecturers.

Syllabus Social security is defined broadly to include not only national insurance, injuries and assistance provisions, but also provisions for income maintenance provided by courts, tax allowances which meet family needs, fringe benefits and private insurance. The historical development of social security provisions in Britain; the definition of poverty and criteria for determining the scope and level of social security benefits; the economic and financial problems of social security; the legal framework of social security; comparisons with provisions in other high-income countries.

Recommended reading B. Abel-Smith, "Social Security" in M. Ginsberg (Ed.), *Law and Opinion in the Twentieth Century*; B. Gilbert, *The Evolution of National Insurance in Great Britain*; W. Beveridge, *Social Insurance and Allied Services* (Cmd. 6404, 1942); B. Abel-Smith and P. Townsend, *The Poor and the Poorest*; A. F. Young, *Industrial Injuries Insurance*; Labour Party, *National Superannuation*, 1957; P. Townsend and D. Wedderburn, *The Aged in the Welfare State*; Ministry of Pensions and National Insurance, *Provision for Old Age* (Cmd. 538, 1958); T. Lynes, *Pension Rights and Wrongs* (Fabian Society, 1963); A. Seldon, *Pensions in a Free Society*; Department of Health and Social Security, *National Superannuation and Social Insurance* (Cmd. 3883); T. Lynes, *Labour's Pension Plan* (Fabian Society, 1969); *National Superannuation* (Cmd. 4195); D. Marsden, *Mothers Alone: Poverty and the Fatherless Family*; A. B. Atkinson, *Poverty in Britain and the Reform of Social Security*.

751 Welfare Services (Seminar)
Miss M. Brown.

For M.Sc.: *Welfare Services*, XVI 2(iii); other students may attend with the consent of the lecturer.

Syllabus The nature of welfare services for the physically and mentally handicapped; the aged and infirm; the deprived, delinquent and school child; the unmarried parent; the family in situations of misfortune. The causes and varieties of need in these groups and the historical development of provisions to meet them made by statutory and voluntary agencies. The concept of community care. The problems of staffing and co-ordination of welfare services. The case for an integrated local authority welfare service.

Recommended reading Kathleen M. Slack, *Social Administration and the Citizen*, (2nd revised edn., 1969) Julia Parker, *Local Health and Welfare Services*; T. H. Marshall, *Social Policy*; A. Forder (Ed.), *Penelope Hall's Social Services of England and Wales*; D. Paige and K. Jones (National Institute of Economic and Social Research), *Health and Welfare Services in Britain in 1975*; B. P. Davies, *Social Needs and Resources in Local Services*; Jean Heywood, *Children in Care*; V. Wimperis, *The Unmarried Mother and her Child*; Ministry of Labour and National Service, *Services for the Disabled* (H.M.S.O.); The National Council of Social Service, *The Welfare of the Disabled*; *Report of the Royal Commission on the Law relating to Mental Illness and Mental Deficiency*, 1954-57 (Cmd. 169); Jeremy Tunstall, *Old and Alone*; P. Townsend and D. Wedderburn, *The Aged in the Welfare State* (Occasional Papers on Social Administration, No. 14); Ministry of Health, Department of Health for Scotland, *Report of the Working Party on Social Workers in the Local Authority Health and Welfare Services* (H.M.S.O.); T. H. Marshall, *Sociology at the Crossroads*, chap. 16; *Report of the Committee on Local Authority and Allied Personal Services* (Seebohm Committee) (H.M.S.O., Cmd. 3703).

752 Housing and Town Planning (Seminar)

Dr Levin and Miss Nevitt.
Michaelmas and Lent Terms.

For M.Sc.: *Housing and Town Planning*, XVI 2(iv); M.Sc. in Regional and Urban Planning; other students may attend with the consent of the lecturers.

Syllabus The structure of the housing market in Britain; the analysis and forecasting of housing requirements; housing policies in Britain. The house-building industry and policies for its development. The town planning system: its influence upon the development process generally, and the building and distribution of housing particularly.

Recommended reading D. V. Donnison, *The Government of Housing*; J. B. Cullingworth, *Housing and Local Government in England and Wales*; *Town and Country Planning in England and Wales*; A. A. Nevitt, *Housing Taxation and Subsidies*; M. Bowley, *The British Building Industry*; J. A. G. Griffith, *Central Departments and Local Authorities*; N. Lichfield, *Economics of Planned Development*; W. G. Grigsby, *Housing Markets and Public Policy*; A. A. Nevitt (Ed.), *The Economic Problems of Housing*; *Royal Commission on Local Government in England 1966-69*, Vols. I and II (Cmd. 4040 and 4040-II).

753 Community Development (Seminar)

Professor Dasgupta and others.
Sessional.

For M.Sc.: *Community Development*, XVI 2(v); other students may attend with the consent of the lecturers.

Syllabus Evolution and theories of community development and its relationship with social work, social welfare and social administration on the one hand and community organization, group work, research methods and extension services on the other. The examination of community development theories: principles and practices; application of community development methods in various settings and cultures. Case studies of community development programmes in Africa and the Caribbean, Philippines and of the Indian programme and experiments in Pakistan. The anti-poverty programme in the U.S.A. Community development in the U.K.

Recommended reading P. Marris and M. Rein, *Dilemmas of Social Reform*; A. H. Nichoff, *A Casebook of Social Change*; W. W. Biddle with L. J. Biddle, *The*

Community Development Process; P. de Schlippe, "Theory of Community Development" in J. A. Ponsioen (Ed.), *Social Welfare Policy* (first collection); S. Milburn, *A Study on Methods and Techniques of Community Development in the United Kingdom Dependent and Trust Territories* (U.N., ST/SOA/Ser.0/21, 1954); Colonial Office, *Educational Policy in British Political Africa* (Cmd. 2374, 1925); *Memorandum on the Education of African Communities* (No. 103, 1935); *Mass Education in African Society* (No. 186, 1944); *Education for Citizenship in Africa* (No. 216, 1948); *The Encouragement of Initiative in African Society* (African No. 1174, March, 1949); *Social Development in the British Colonial Territories* (Misc. No. 523, Feb. 1955); *Social Development through Family and Home* (1960); L. J. Lewis (Ed.), *Phelps-Stokes Reports on Education in Africa*; Sugata Dasgupta, *A Poet and a Plan: Tagore's Experiments in Rural Reconstruction*; Albert Mayer et al., *Pilot Project, India*; W. and C. Wiser, *Behind Mud Walls, 1930-1960*; B. Mukerji, *Community Development in India*; Carl C. Taylor et al., *India's Roots of Democracy*; U.N., *Public Administration Aspects of Community Development Programmes* (1959); *Community Development and National Development* (1963).

754 Educational Administration (Seminar)

Mr Glennerster and Dr Blackstone.

For M.Sc.: *Educational Administration*, XVI 2(vii); other students may attend with the consent of the lecturers.

Syllabus During the first half of the session the aim is to cover the literature relevant to each level of education and to the financial and planning aspects of the subject. Outside speakers with experience in the field will be invited at regular intervals. The second half of the session is left so that topics can be arranged to fit in with the particular interests of the group.

Recommended reading G. Baron and W. Taylor (Eds.), *Educational Administration and the Social Sciences*; O. Banks, *The Sociology of Education*; P. W. Musgrove, *Society and Education in England since 1800*; T. Burgess, *A Guide to English*

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Schools; J. Vaizey, Resources for Education. A more detailed bibliography will be distributed at the beginning of the session.

755 Quantitative Research Methods in Social Administration

Dr B. P. Davies. Sessional.

For M.Sc.: Social Administration and Social Work Studies (A); other students may attend only with the consent of the lecturer.

OTHER GRADUATE COURSES

756 Seminar in Social Administration

Professor Abel-Smith. Sessional.

For graduate students.

757 Welfare Rights and Participation

Mrs Rose and Miss Brooke. Sessional.

Admission by permission of the lecturers.

Personnel Management

Diploma Courses

760 Principles and Practice of Personnel Management

Miss Seear and others. Sessional.

For Diploma in Personnel Management.

Syllabus These lectures trace the development of personnel management and examine the place of the personnel specialist in industrial and commercial organizations. The main aspects of personnel policy are discussed and the developing practices of different organizations are studied. The topics include: manpower forecasting and planning recruitment; training and education with particular reference to the implementation of the Industrial Training Act; appraisal and promotion; incentives and the principles and methods of remuneration; problems of communication and consultation.

Recommended reading A bibliography will be recommended during the course of the lectures.

760(a) Classes

Sessional. In connection with Course No. 760.

760(b) Principles and Practice of Personnel Management: Training

Various lecturers. Lent Term.

761 Industrial Psychology

Mr R. Holmes. Twenty-five lectures, Sessional.

For Diploma in Personnel Management.

Syllabus Individual maturation and adjustment.

Factors leading to the formation of industrial groups. Morale and its breakdown; co-operative and competitive situations, resistance to change.

Psychological and organizational factors in communication.

The nature of incentives; supervisory and other leadership. Personnel counselling. Supervisory training.

Recommended reading N. R. F. Maier, *Psychology in Industry*; M. S. Viteles, *Motivation and Morale in Industry*; J. Piaget, *The Moral Judgment of the Child*; J. A. C. Brown, *The Social Psychology of Industry*; W. Brown, *Exploration in Management*; H. Croome, *Human Problems of Innovation*; H. J. Eysenck, *Uses and Abuses of Psychology*; J. Woodward, *Management and Technology*; L. R. Sayles, *The Behaviour of Industrial Work Groups*; W. F. Whyte and others, *Money and Motivation*; A. Zalesnik and others, *The Motivation, Productivity and Satisfaction of Workers*.

761(a) Industrial Psychology (Class)

Mr R. Holmes. In connection with Course No. 761.

762 Methods of Social Research in Industry

Mr Thurley. Lectures and classes, Michaelmas and Lent Terms.

For students who will be undertaking project work for Part II of the Diploma in Personnel Management.

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Note The numbers of the additional courses taken by Diploma in Personnel Management students are listed on pages 237-8.

763 Industrial Organization

Mr Graves. Eight lectures, Lent Term.

For Diploma in Personnel Management.

Syllabus Basic structure of the industrial enterprise. Approaches to organizational problems based on theories of behaviour. Empirical studies of managerial behaviour. Problems of culture and sub-culture in organizations.

Recommended reading C. Barnard, *The Functions of the Executive*; M. Dalton, *Men Who Manage*; J. Piffner and F. Sherwood, *Administrative Organization*; J. O'Shaughnessy, *Business Organization*.

Non-Diploma Course

764 Introduction to Personnel Management

Miss Seear. Five lectures, Lent Term.

For M.Sc.: *Operational Research Methods*, 3(iii).

Diploma in Social Work Studies

(This Diploma replaces the Diploma for Social Workers in Mental Health and the Diploma in Applied Social Studies.)

Note Lectures and seminars numbered 770 to 793 are restricted to students registered for this course.

770 Introduction to Methods of Social Work

Miss Butrym and Mr Goetschius. Ten lectures. Michaelmas Term.

771 Background and Development of Social Work

Mrs McDougall. Eight lectures, Michaelmas Term.

Syllabus How societies evolve different kinds of social work. Self help; welfare state; mental health movement; client participation. Training for social work and the development of a profession. Some comparative studies.

Recommended reading will be given during the course.

772 Principles and Practice of Social Work

Members of the department. Twenty seminars, Michaelmas and Lent Terms.

Syllabus The aim of the seminars is to provide the necessary background theory through a study of concepts and methods used in social work. The study of casework is a major part of these seminars, but attention is also given to group and community work. The seminars are closely related to the various lecture courses and form a bridge between these and field work.

773 Methods of Casework, Group Work and Community Work

Members of the department. Ten seminars, Summer Term.

Students can choose to attend seminars on one of these methods of social work which should be related to their field practice.

774 Social Work and Social Problems

Various lecturers. Ten lectures, Lent Term.

Syllabus This course discusses a number of social problems (e.g. mental illness, illegitimacy etc.) and considers the ways in which such phenomena come to be defined as a "social problem". Theories of description (e.g. "deviance", "social disorganization") and theories of causation

Social Science and Administration

(psychological, sociological). The part played by social work and the social sciences in defining and dealing with social problems.

Recommended reading H. Becker, *Social Problems, A New Approach*; E. Lemert, *Social Pathology*; R. Illsley and J. Gill, "Changing Trends in Illegitimacy" (*Social Science and Medicine*, Autumn 1968); R. K. Merton and R. D. Nisbet, *Contemporary Social Problems*; J. Nicholson, *Mother and Baby Homes*; F. Riessman, *Mental Health of the Poor*; E. M. Goldberg and R. Morrison, "Schizophrenia and Social Class" (*Bristol Journal of Psychiatry*, November 1963); A. Rose, *Mental Health and Mental Disorder*; D. M. Downes, *The Delinquent Solution*.

775 Human Growth and Development

Dr Stewart Prince. Twenty lectures, Michaelmas and Lent Terms.

Syllabus The biological and psychological development of the individual from birth until old age, and the relevance of modern theories of personality to each phase of development. Psycho-analytic theory and its derivatives. Deviations from the normal commonly met with in social work practice. Parent-child relationships, family dynamics and the psychology of marriage. The implications of such adverse experience as emotional deprivation, illness, bereavement and placement in an abnormal environment.

776 Social Work and Psychiatry

Dr Cawley, Mrs McDougall and Mr Gregory. Ten lectures, Michaelmas Term.

777 Psychiatry

Dr Cawley. Ten seminars, Summer Term.

Syllabus The concept of mental illness and its significance in medical and psychiatric practice. The interplay of somatic, psychological, and social interactional variables in the genesis of symptoms, interpersonal difficulties, and deviant behaviour. The work of the psychiatric team. The phenomena and classification of mental

illness, and the contrasting features of different syndromes. Consideration of each of the main groups of syndromes, with special regard to (a) theories concerning biological, developmental and psychosocial aspects of causation; and (b) a multi-dimensional approach in management and treatment. The scope and limitations of somatic (physical) methods of treatment. Types of psychotherapy and indications and contra-indications for their use. Social treatment and family therapy; management in the hospital and in the community.

778 Clinical Aspects of Child Development

Dr Hersov. Ten seminars, Summer Term.

Syllabus Theory of emotional development of infant and child. Evaluation of the environmental factor. Health in terms of emotional maturity and ill-health in terms of distortions in emotional growth. Classification according to the specific needs of each case. Clinical material illustrating health and ill-health at various ages; interview reports with discussion of technique. Aetiology of psychoneurosis, antisocial tendency and psychosis. The effect of physical disease and of mental defect on the personal pattern of defence against anxiety.

779 The Meaning of Health and Disease

(i) Lecturer to be announced. Ten lectures, Michaelmas Term.

Syllabus The basic principles underlying health and ill-health. The physiology and pathology of the main systems of the body and the incidence of the more common diseases in the different age groups. The interaction of medical, social and emotional factors.

(ii) **Special Medical Lectures**
Summer Term.

Syllabus This course is given by specialists in various fields of medicine and is based on a more detailed approach to the subjects chosen.

Social Science and Administration

780 Theories of Personality Development

Professor Plowman and Miss Elkan. Ten lectures, Lent Term.

781 Theories of Small Groups

Mr Goetschius. Six lectures, Lent Term.

782 Family Relationships

Mr Woodhouse. Lent Term.

783 Sociology of Institutions

Professor T. P. Morris. Five lectures, Lent Term.

784 Sociology of Health Care

Miss Butrym. Ten lectures, Lent Term.

Syllabus The course is primarily concerned with a study of the differing concepts of health and medical care, with the various factors influencing these, and with their effects on the health services. Particular attention will be given to the following more specific aspects of the theme: the cultural and social influences affecting people's attitudes towards health, sickness, and medical care; the characteristics of the various social institutions including the issues involved in an integration of the scientific and the "whole person medicine" approaches; the place of social work in promoting health through participation in preventive, therapeutic and rehabilitative programmes; and the various obstacles to a truly effective contribution by social workers in this field.

Recommended reading will be given during the course.

785 Social Administration and Social Policy

Lecturers to be announced. Fifteen lectures, Michaelmas and Lent Terms.

Syllabus Some of the key administrative problems and processes associated with

social welfare organizations. The manner in which scarce services are allocated. The relationships between organizations. The processes of organizational growth, development and change. Information, communication and decision. Administrative discretion and the use of professional power. The design of administrative structures.

Recommended reading D. V. Donnison, *Social Policy and Administration*; H. A. Simon, *Administrative Behaviour*; J. G. March and H. A. Simon, *Organization*; E. Powell, *Medicine and Politics*; G. Vickers, *The Art of Judgement*; W. Gamson, *Power and Discontent*; P. Blau and W. R. Scott, *Formal Organizations*; K. Boulding, *The Organizational Revolution*; K. Boulding, *General Theory of Conflict and Defense*; R. L. Kahn and E. Boulding, *Power and Conflict in Organizations*; H. L. Wilensky and C. N. Lebeaux, *Industrial Society and Social Welfare*; L. T. Wilkins, *Social Deviance*.

786 The Social Services

Members of the department. Fourteen seminars, Lent and Summer Terms.

Each series of seminars will consider the social services in relation to a specific social problem. Students can choose one series of seminars which should be related to their field practice.

787 Law and Court Procedure

To be arranged.

Students may choose from one of the following classes:

788 Psychoanalytic Concepts

Miss Elkan. Summer Term,

789 Community Work

Mr Goetschius. Summer Term.

Social Science and Administration

790 Welfare Rights

Miss Brooke. Summer Term.

791 Social Work in the Residential Setting

Miss Edmonds. Summer Term.

792 Social Work Research

Dr B. P. Davies and others.
Summer Term.

For M.Sc. Social Administration and Social Work Studies, Option B.

793 Social Work Studies

Miss Wilson and others. Fifteen seminars. Sessional.

794 Social Problems

Members of the department.
Fifteen seminars, Michaelmas and Lent Terms.

Supervisors to the Diploma in Social Work Studies

Mrs M. Martyr	Senior Probation Officer, Hertfordshire Probation Service.
Mrs Y. Auger	Deputy Children's Officer, Children's Department, London Borough of Lewisham.
Miss G. A. Jones } Miss A. Marsden }	Senior Child Care Officers, Children's Department, London Borough of Tower Hamlets.
Miss A. M. Goldie	Senior Child Care Officer, Children's Department, London Borough of Wandsworth.
Miss U. Behr	Principal Child Care Officer, Children's Department, Essex.
Miss L. Weiss Miss S. Chater Jack	Medical Social Worker, Middlesex Hospital. Unit Supervisor, Department of Medical Social Work, Hammersmith Hospital.
Miss S. Shepherd	Medical Social Worker, St. George's Hospital.
Mrs P. Thomas Miss A. B. Lloyd Davies	Family Welfare Association, London. Psychiatric Social Worker, Invalid Children's Aid Association.
Miss A. Kernick	Psychiatric Social Worker, Royal Bethlehem Hospital.
Miss I. Bergman } Miss M. Eden }	Maudsley Hospital, Denmark Hill, S.E.5. (Adults)
Mrs L. Harvey } Mrs F. Sussenwein }	Maudsley Hospital, Denmark Hill, S.E.5. (Children)
Miss I. Tamblyn } Miss M. Weiss }	Child Guidance Training Centre, 33, Daleham Gardens, N.W.3.
Mrs M. Abramsky	Royal Free Hospital, Gray's Inn Road, W.C.1.

Social Science and Administration

Mrs F. Mendoza }
Mrs J. Jordon }

Department of Psychological Medicine,
University College Hospital,
23, Devonshire Street, W.1.

Miss J. Ford

Child Guidance Clinic,
Monoux Building,
High Street, E.17.

Miss J. Barton

Belgrave Hospital for Children,
1, Clapham Road, S.W.9.

Mrs B. Litauer

Wimbledon Child Guidance Clinic,
All Saints Road, S.W.19.

Miss M. M. Bailey

Academic Department of Psychiatry,
Middlesex Hospital Medical School,
W.1.

Miss M. Knight
Miss W. Roberts

London Hospital, Whitechapel, E.1.
Woodberry Down Child Guidance Unit, N.4.

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830 Elements of Social Structure

Mrs Scharf. Twenty lectures, Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part I: alternative subject 6, *Elements of Social Structure I*; B.Sc. (Econ.) Part II: *Elements of Social Structure II*, I 3h; III 3g; VI 8g (second year); B.A./B.Sc. (Soc.) Branch I, 1 (first year); B.Sc. (Geog.) C 301; B.A./B.Sc. (Soc.) Branch III, 6 (first year); B.Sc. (Soc. Psych.) (first year); B.Sc. (Soc. Anth.) Part II 3c; Dip. Personnel Management; Dip. Soc. Admin., incl. Overseas Option (one-year and first year); Dip. Development Admin. Students are recommended also to attend Course No. 832.

Syllabus Analysis of the concepts of structure, system and role; universal elements of social structure; family and kinship; political institutions of leadership and settlement of disputes; economic institutions of allocation of resources; religion and ritual. These elements of social structure as they appear in pre-industrial Europe, particularly Britain. The changes they undergo during processes of industrialisation. Some comparisons between industrial societies, illustrating convergence and divergence.

Recommended reading P. Berger, *Invitation to Sociology*; S. Cotgrove, *Science of Society*; J. E. Goldthorpe, *Introduction to Sociology*; G. D. Mitchell, *Sociology*; D. Emmett, *Rules, Roles and Relations*; A. Inkeles, *What is Sociology?*; T. S. Ashton, *Industrial Revolution*; P. Deane, *First Industrial Revolution*; E. Hobsbawm, *Industry and Empire*; H. Perkin, *The Origin of Modern English Society, 1780-1880*; R. Aron, *Eighteen Lectures on Industrial Society*; P. Laslett, *The World We Have Lost*.

Further references will be given during the course.

830(a) Elements of Social Structure I (Classes)

Sessional, beginning early in the Michaelmas Term.

For B.Sc. (Econ.) Part I; B.A./B.Sc.

(Soc.) Branch I (first year); B.Sc. (Geog.), C 301; B.Sc. (Soc. Psych.) (first year).

831 Elements of Social Structure II (Classes)

(a) Five classes, Summer Term.

For B.Sc. (Econ.) Part II: *Elements of Social Structure II*, I 3h; III 3g; VI 8g (second year).

(b) Weekly classes, Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II: *Elementary Social Structure II*, I 3h; III 3g; VI 8g (third year); B.Sc. (Soc. Anth.) Part II, 3c (second year).

832 Introduction to Sociological Theory

Mr Hopper. Twenty lectures, Michaelmas and Lent Terms.

For B.A./B.Sc. (Soc.) Branch I, 1; Branch III 6 (first year); B.Sc. (Soc. Anth.) Part II, 3c (second year); B.Sc. (Soc. Psych.) (first year); Dip. Personnel Management. Optional for Dip. Soc. Admin. (second year). Recommended for students attending Course No. 830.

Syllabus The role of theory in sociological research. An introduction to some basic concepts and propositions. Detailed examination of selected issues, i.e. anomie, alienation and social stratification. Brief discussion of some problems in the philosophy of sociology as a social science.

Recommended reading will be given during the course.

833 Social Theory

Dr Cohen. Twenty lectures, Michaelmas and Lent Terms.

For B.A./B.Sc. (Soc.) Branch III, 6 (third year); M.Sc.: *Political Sociology*, XV 4; M.Sc.: *Sociology* (preliminary year) and interested students.

Syllabus Nature of social explanation. Distinction between scientific and normative goals of social theory. Holistic and action approaches. Theories of social change. Relevance of psychology for

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explaining social phenomena. Nature of social facts. Problem of objectivity. Sociology, ideology, moral philosophy and social policy.

Recommended reading M. Black (Ed.), *The Social Theories of Talcott Parsons*; P. S. Cohen, *Modern Social Theory*; E. A. Gellner, *Thought and Change*; M. Ginsberg, *Essays in Sociology and Social Philosophy*; D. G. MacRae, *Ideology and Society*; R. K. Merton, *Social Theory and Social Structure*; R. A. Nisbet, *The Sociological Tradition*; Emile Durkheim; K. R. Popper, *The Open Society and its Enemies*; *Poverty of Historicism*; J. Rex, *Key Problems of Sociological Theory*; W. G. Runciman, *Social Science and Political Theory*; W. J. H. Sprott, *Science and Social Action*.

Note on Social Philosophy Courses

Courses Nos. 834-837 are intended principally for students reading sociology, and the main criterion governing content is relevance to sociology. The aim is to give students a general idea of the conceptual and ethical problems which arise in the study of society, so that they will be able to recognize these problems and to relate them both to major philosophies and to their own more concrete work in sociology.

Recommended reading This reading list is not definitive. No student would be expected to read all these books. Every student would be likely to consult a number of sources not listed here. The aim has been to list most of the main books which students may be recommended to read or refer to, with the exception of some obviously relevant works on the Theories and Methods of Sociology which it would be tedious to list here as well as under the course of that name. Articles in journals are not listed: references will be given during the courses. Some main journals in which relevant articles are likely to be found (apart from the standard sociological journals) are: *British Journal for the Philosophy of Science*; *Ethics*; *History and Theory*;

Inquiry; *Mind*; *Philosophical Review*; *Philosophy*; *Philosophy of Science*; *Philosophy and Phenomenological Research*; *Proceedings of the Aristotelian Society* and *Ratio*.

(i) SHORT INTRODUCTORY WORKS: R. G. Collingwood, *An Autobiography*; A. C. Ewing, *Ethics*; W. K. Frankena, *Ethics*; C. G. Hempel, *Philosophy of Natural Science*; J. D. Mabbott, *An Introduction to Ethics*; J. H. Plumb (Ed.), *Crisis in the Humanities*; R. S. Rudner, *Philosophy of Social Science*; J. Wilson, *Thinking with Concepts*.

(ii) WORKS WRITTEN AS OR USABLE AS TEXTBOOKS: S. I. Benn and R. S. Peters, *Social Principles and the Democratic State*; C. D. Broad, *Five Types of Ethical Theory*; E. A. Gellner, *Thought and Change*; J. Hospers, *Human Conduct: An Introduction to the Problems of Ethics*; A. C. MacIntyre, *A Short History of Ethics*; A. C. R. G. Montefiore, *A Modern Introduction to Moral Philosophy*.

(iii) BOOKS OF READINGS: R. B. Brandt (Ed.), *Social Justice*; D. Braybrooke (Ed.), *Philosophical Problems of the Social Sciences*; M. Brodbeck (Ed.), *Readings in the Philosophy of the Social Sciences*; R. G. Colodny (Ed.), *Beyond the Edge of Certainty*; W. H. Dray (Ed.), *Philosophical Analysis and History*; H. Feigl and M. Brodbeck (Eds.), *Readings in the Philosophy of Science*; P. R. Foot (Ed.), *Theories of Ethics*; P. L. Gardiner (Ed.), *Theories of History*; D. F. Gustafson (Ed.), *Essays in Philosophical Psychology*; S. Hook (Ed.), *Determinism and Freedom in the Age of Modern Science*; T. P. R. Laslett (Ed.), *Philosophy, Politics and Society*; T. P. R. Laslett and W. G. Runciman (Eds.), *Philosophy, Politics and Society (Second Series and Third Series)*; A. I. Melden (Ed.), *Ethical Theories: A Book of Readings*; H. Meyerhoff (Ed.), *The Philosophy of History in our Time*; M. Natanson (Ed.), *Philosophy of the Social Sciences*; P. H. Nidditch (Ed.), *The Philosophy of Science*; F. A. Olafson (Ed.), *Society, Law and Morality: Readings in Social Philosophy*; W. S. Sellars and J. Hospers (Eds.), *Readings in Ethical Theory*; P. F. Strawson (Ed.), *Studies in the Philosophy of Thought and Action*; A. R. White (Ed.), *The Philosophy of Action*.

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(iv) RECENT COMMENTARIES AND SURVEYS: P. Corbett, *Ideologies*; M. W. Cranston, *Freedom: A New Analysis*; A. P. d'Entrèves, *Natural Law*; E. Fromm, *Sigmund Freud's Mission*; W. H. Greenleaf, *Oakeshott's Philosophical Politics*; D. Lyons, *Forms and Limits of Utilitarianism*; W. J. M. Mackenzie, *Politics and Social Science*; J. P. Plamenatz, *Man and Society*; J. P. Plamenatz, *The English Utilitarians*; W. G. Runciman, *Social Science and Political Theory*; H. M. Warnock, *Ethics since 1900*.

(v) SELECTED STANDARD WORKS: Aristotle, *The Nicomachean Ethics*; J. Bentham, *An Introduction to the Principles of Morals and Legislation*; J. Butler, *Sermons on Human Nature*; D. Cauter (Ed.), *Essential Writings of Karl Marx*; E. Durkheim, *Sociology and Philosophy*; S. Freud, *Civilisation and Its Discontents*; T. Hobbes, *Leviathan* (Ed. M. J. Oakeshott); E. J. E. Hobsbawm (Ed.), *Karl Marx: Pre-Capitalist Economic Formations*; D. Hume, *A Treatise of Human Nature, being an attempt to introduce the experimental method of reasoning into moral subjects*; I. Kant, *Groundwork of the Metaphysic of Morals* (Ed. H. J. Paton); I. Kant, *The Doctrine of Virtue* (Trans. M. J. Gregor); W. A. Kaufmann (Ed.), *Hegel: Reinterpretation, Texts and Commentary*; K. Marx and F. Engels, *The German Ideology*; J. S. Mill, *Utilitarianism, Liberty and Representative Government*; G. E. Moore, *Principia Ethica*; Plato, *The Republic*; M. Weber, *The Methodology of the Social Sciences*; E. A. Westermarck, *Ethical Relativity*.

(vi) RECENT WORKS: L. Althusser, *Essays in Marxist Philosophy*; D. E. Apter, *The Politics of Modernisation*; J. L. Aranguren, *Human Communication*; R. Aron, *The Opium of the Intellectuals*; A. J. Ayer, *Language, Truth and Logic*; B. M. Barry, *Political Argument*; J. F. Bennett, *Rationality*; P. L. Berger, *Invitation to Sociology: A Humanistic Perspective*; P. L. Berger and T. Luckmann, *The Social Construction of Reality*; I. Berlin, *Four Essays on Liberty*; R. B. Brandt, *Hopi Ethics*; J. W. Burrow, *Evolution and Society*; M. J. Cowling, *Mill and Liberalism*; M. J. Cowling, *The Nature and Limits of Political Science*; B. R. Crick, *In Defence of Politics* (Pelican edn.);

C. A. R. Crosland, *The Future of Socialism*; R. A. Dahl, *Preface to Democratic Theory*; A. C. Danto, *Analytical Philosophy of History*; P. A. Devlin, *The Enforcement of Morals*; M. Djilas, *The New Class*; M. M. and A. Edel, *Anthropology and Ethics*; D. Emmet, *Rules, Roles and Relations*; L. S. Feuer, *Psychoanalysis and Ethics*; J. C. Flugel, *Man, Morals and Society*; W. B. Gallie, *Philosophy and the Historical Understanding*; P. L. Gardiner, *The Nature of Historical Explanation*; M. Ginsberg, *Essays in Sociology and Social Philosophy* (3 vols.); M. Ginsberg, *On Justice in Society*; L. Goldmann, *The Hidden God*; M. J. Gregor, *Laws of Freedom*; R. M. Hare, *The Language of Morals*; R. M. Hare, *Freedom and Reason*; H. L. A. Hart, *The Concept of Law*; H. L. A. Hart, *Law, Liberty and Morality*; H. L. A. Hart, *The Morality of the Criminal Law*; L. T. Hobhouse, *The Metaphysical Theory of the State*; E. Kamenka, *The Ethical Foundations of Marxism*; E. Kedourie, *Nationalism: Its Meaning and Origins*; T. S. Kuhn, *The Structure of Scientific Revolutions*; J. Ladd, *The Structure of a Moral Code*; G. Lichtheim, *Marxism*; A. R. Louch, *Explanation and Human Action*; A. Macbeath, *Experiments in Living*; A. C. MacIntyre, *The Unconscious: A Conceptual Analysis*; C. B. Macpherson, *The Political Theory of Possessive Individualism*; K. Mannheim, *Ideology and Utopia*; H. Marcuse, *One-Dimensional Man*; H. Marcuse, *Reason and Revolution*; K. R. Minogue, *The Liberal Mind*; R. E. Money-Kyrle, *Man's Picture of the World*; R. E. Money-Kyrle, *Psychoanalysis and Politics*; E. Nagel, *The Structure of Science*; M. J. Oakeshott, *Rationalism in Politics and Other Essays*; T. Parsons, *The Structure of Social Action*; K. R. Popper, *The Open Society and Its Enemies*; K. R. Popper, *The Poverty of Historicism*; A. N. Prior, *Logic and the Basis of Ethics*; M. Richter, *The Politics of Conscience*; T. H. Green and His Age; G. Sartori, *Democratic Theory*; J.-P. Sartre, *The Problem of Method* (Trans. H. E. Barnes); W. J. H. Sprott, *Science and Social Action*; C. L. Stevenson, *Facts and Values: Studies in Ethical Analysis*; S. Strasser, *Phenomenology and the Human Sciences*;

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J. L. Talmon, *The Origins of Totalitarian Democracy*; J. L. Talmon, *Political Messianism: The Romantic Phase*; R. M. Tucker, *Myth and Reality in Karl Marx*; C. H. Waddington *et al.*, *Science and Ethics*; P. G. Winch, *The Idea of a Social Science*.

834 Introduction to Social Philosophy

Mr Newfield. Twenty lectures, Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II: *Social Philosophy*, VI 8f; VII 7 and 8; IX 5 (second year); B.A./B.Sc. (Soc.) Branch I, 4 (first year).

Syllabus The first part of this course is concerned with making explicit and systematically examining certain assumptions implicit in widely-held belief systems like Marxism, utilitarianism, Platonism, moral relativism, empiricism, positivism and religion. The second part treats in more detail some main ethical theories and their background in the general philosophy of their authors, considerable attention being given to the connections between these theories and sociology.

Recommended reading See Note on page 501. Further references for reading will be given during the course.

835 Structure of Ethical Theories

Professor Gellner. Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II: *Social Philosophy*, VI 8f; VII 7 and 8; IX 5 (third year); *Moral and Political Philosophy*, XVI 4a (second year); B.A./B.Sc. (Soc.) Branch I, 4 (second year); B.A. Phil. and Econ. (third year).

Syllabus Selected recent or contemporary social philosophies will be discussed.

Recommended reading See Note on page 501. Further references for reading will be given during the course.

836 Concepts of Society

Professor Gellner. Lent and Summer Terms.

For B.Sc. (Econ.) Part II: *Theories and*

Methods of Sociology, IX 4; *Philosophy of Social Knowledge*, XVI 8a (third year); B.A./B.Sc. (Soc.) Branches I and II, 1 (third year); optional for Branch I (second year); M.Sc.: *Theories and Concepts of Political Sociology*, XIX 3(xi); *Political Stability and Change*, XIX 3(xii); *The Study of Political Behaviour*, XIX 3(xiii); *Political Sociology*, XV 4.

Syllabus Theories concerning the specific character of social knowledge and their methodological implications; discussion of the use of philosophical theories of knowledge for purposes of legitimation.

Recommended reading See Note on page 501. Further references for reading will be given during the course.

837 Social Philosophy (Classes)

(a) Fortnightly, Sessional.

For B.Sc. (Econ.) Part II: *Social Philosophy*, VI 8f; VII 7 and 8; IX 5 (second year); B.A./B.Sc. (Soc.) Branch I, 4 (first year).

(b) Fortnightly, Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II: *Social Philosophy*, VI 8f; VII 7 and 8; IX 5 (third year); B.A./B.Sc. (Soc.) Branch I, 4 (second year).

838 Philosophical Sociology

Dr Swingewood. Eight lectures, Lent Term.

For interested students, especially B.A./B.Sc. (Soc.) (second and third years); B.Sc. (Econ.) Part II: special subject Sociology; M.Sc.: Sociology.

Syllabus The course will examine the relationship between philosophy and sociology. The treatment will be both historical and critical. It will consist of selected aspects of the following: the origins of social theory: the Scottish and the French Enlightenments; Hegel, Comte, and political economy; Marxism and sociology; ideology and sociology; the development of English sociology; contemporary sociological treatment of working-class consciousness and class conflict.

Recommended reading A. Ferguson, *Essay*

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on the History of Civil Society; G. W. F. Hegel, *Phenomenology of the Mind*; A. Comte, *Essays*; E. Durkheim, *Philosophy and Sociology*; Marx and Engels, *The German Ideology* and other texts; G. Lukács, *History and Class Consciousness*; *The Theory of the Novel*; L. Goldmann, *The Hidden God*; *The Human Sciences and Philosophy*; H. Marcuse, *Reason and Revolution*; *One-Dimensional Man*; *Negations*; T. Parsons, *Sociological Theory and Modern Society*; *Essays in Sociological Theory*; R. Dahrendorf, *Class and Class Conflict in Industrial Society*; *Essays in the Theory of Society*; J. E. Goldthorpe, D. Lockwood *et al.*, *The Affluent Worker*.

839 Sociology of Science

Dr Sklair. Eight lectures, Lent Term.

For interested students, especially B.A./B.Sc. (Soc.) (second and third years); B.Sc. (Econ.) Part II: special subject Sociology; M.Sc.: Sociology.

Syllabus Approaches to the sociology of science; heuristic model of science as a social institution; scientific occupations; scale and cost of science; characteristics of different institutional locations; the norms and values of science; the social philosophy of science; the social functions of science; science and technology and the sociology of the opposition to science and technology.

Recommended reading B. Barber, *Science and the Social Order*; B. Barber and W. Hirsch (eds.), *The Sociology of Science*; J. Bernal, *The Social Function of Science*; C. Danhof, *Government Contracting and Technological Change*; J. Ellul, *The Technological Society*; W. Hagstrom, *The Scientific Community*; W. Hirsch, *Scientists in American Society*; T. Kuhn, *The Structure of Scientific Revolutions* (2nd edn.); I. Lakatos and A. Musgrave (Eds.), *Criticism and the Growth of Knowledge*; S. Lakoff (Ed.), *Knowledge and Power*; R. Merton, *Social Theory and Social Structure*, part 4; T. Parsons, *The Social System*, chap. 8; D. Price, *Little Science, Big Science*; L. Sklair, *The Sociology of Progress*; N. Storer, *The Social System of Science*.

Further references for reading will be given during the course.

840 The Theories and Methods of Sociology

Dr Vaughan. Twenty lectures, Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II: *Theories and Methods of Sociology*, IX 4; *Philosophy of Social Knowledge*, XVI 8a; B.A./B.Sc. (Soc.) Branch I, 1; B.Sc. (Soc. Psych.); Dip. Soc. Anth. (second year). Recommended for M.Sc.: *Political Sociology* XV 4; *Sociological Theory*, XIX 1 (preliminary year).

Syllabus Nature and roles of sociological theory. Fundamental problems of sociological theory. Main types of theory of social structure, change and development.

Recommended reading E. Durkheim, *The Rules of Sociological Method*; *The Division of Labour in Society*; *Suicide*; *Elementary Forms of the Religious Life*; C. C. A. Bouglé, *Bilan de la Sociologie Française Contemporaine*; T. B. Bottomore and M. Rubel (Eds.), *Karl Marx: Selected Writings in Sociology and Social Philosophy*; S. Ossowski, *Class Structure in the Social Consciousness*; K. Marx, *The 18th Brumaire of Louis Bonaparte*; I. Plamenatz, *German Marxism and Russian Communism*; R. Tucker, *Philosophy and Myth in Karl Marx*; K. Wolff (Ed.), *The Sociology of Georg Simmel*; G. Simmel, *Conflict and The Web Group of Affiliations*; F. Toennies, *Community and Association*; H. H. Gerth and C. Wright Mills (Eds.), *From Max Weber*; M. Weber, *The Theory of Social and Economic Organization*; R. Aron, *German Sociology: Main Currents in Sociological Thought*; T. Parsons, *The Structure of Social Action*; R. Bendix, *Max Weber: An Intellectual Portrait*; R. K. Merton, *Social Theory and Social Structure*; J. A. Rex, *Key Problems of Sociology*; R. Bottomore, *Sociology: An Introduction to its Problems and Literature*; T. Abel, *Systematic Sociology in Germany*; J. S. Mill, *A System of Logic* (Book VI, *On the Logic of the Moral Sciences*); K. R. Popper, *The Poverty of Historicism*; M. Weber, *The Methodology of the Social Sciences*; P. Winch, *The Idea of a Social Science and its Relation to Philosophy*; R. Fletcher, *Auguste Comte and the Making of Sociology*; V. Pareto, *Mind and Society* (Book IV); S. Finer, *Pareto*:

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Sociological Writings; J. H. Meisel, *Pareto and Mosca*; E. Halévy, *The Growth of Philosophic Rationalism*; G. Cairns, *Philosophies of History*; L. Hobhouse, *Morals in Evolution*; P. Laslett and W. Runciman, *Philosophy, Politics and Society*.

840(a) Theories and Methods of Sociology (Class)

Fortnightly, Sessional.

For B.Sc. (Econ.) Part II: *Theories and Methods of Sociology*, IX 4.

840(b) Theories and Methods of Sociology (Class)

For B.Sc. (Soc. Psych.)

841 General Sociology (Classes)

Fortnightly, Sessional.

For B.A./B.Sc. (Soc.) Branches I and II (second and third years).

842 Environment and Heredity

Professor Glass. Six lectures, Summer Term.

For B.Sc. (Econ.) Part II: *Theories and Methods of Sociology*, IX 4 (second year); B.A./B.Sc. (Soc.) Branch I, 1 (first year).

Syllabus Elements of human genetics. Difficulties of analysis when graded characters are concerned. The meaning and measurement of "environment". Alternative approaches to the study of the "nature-nurture" complex. Twin and foster-child studies. The use of follow-up inquiries. Specific illustrations of problems of analysis with reference to the trend of intelligence and to "problem families".

Recommended reading Introductory references: L. S. Penrose, *Outline of Human Genetics*; *The Biology of Mental Defect*; C. Stern, *Principles of Human Genetics*; W. C. Boyd, *Genetics and the Races of Man*; J. Sutter, *L'Eugénique*; R. S. Woodworth, *Heredity and Environment*.

Other references will be given during the course.

843 Comparative Social Institutions

Dr Cohen. Twenty lectures, Michaelmas and Lent Terms.

For B.A./B.Sc. (Soc.) Branch I, 3 and Branch II, 2 (third year); M.Sc.: Sociology (preliminary year).

Syllabus A comparative analysis of the relationship between power, property and ranking in simple and complex non-industrial societies. The bearing of such comparisons on certain theoretical problems concerning the relationship between coercion, commitment and inducement in social systems. A discussion with comparative examples of the thesis concerning the process of increasing economic rationality. A comparative analysis of the nature and function of family and kinship structures in simple and complex societies. The relevance of the study of non-industrial societies for the understanding of processes of modernisation. Methodological issues concerning the nature and types of comparative method in sociology.

Recommended reading K. A. Wittfogel, *Oriental Despotism*; S. M. Eisenstadt, *The Political Systems of Empires*; M. Bloch, *Feudal Society*; M. N. Srinivas, *Caste in Modern India, and Other Essays*; A. de Reuck (Ed.), *Caste and Race: Comparative Approaches*; M. Weber, *The Theory of Social and Economic Organisation*; G. Dalton (Ed.), *Tribal and Peasant Economies*; R. Fox, *Kinship and Marriage*.

843(a) Comparative Social Institutions (Classes)

Ten classes, Lent Term.

For B.A./B.Sc. (Soc.) Branches I and II (third year).

844 The Social Structure of Modern Britain

Mr Westergaard and Mr Hilbourne. Thirty lectures, Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II: *Social Structure of Modern Britain*, IX 6; X 1 and 2e; XV 5 and 6e; B.A./B.Sc. (Soc.) Branch I, 7 and 8a; Branch III, 6; B.Sc. (Maths.): 5-8k (second year); Dip. Soc. Admin. (second year and one-year).

Sociology

Syllabus The recruitment and distribution of the population; demographic changes and their social significance; the family: its structure and functions. Urban concentration and diffusion; land use planning and its social implications.

Concepts and contemporary issues of stratification; the economic basis of stratification; élites and the distribution of power; social mobility; cultural differences and the relations between classes; the influence of the educational system. Changes in industrial structure, including forms of ownership; changes in occupational structure and in the nature and distribution of skills; the system of industrial relations.

Communication and mass media.

Recommended reading E. J. Hobsbawm, *Industry and Empire*; H. Perkin, *The Origins of Modern English Society*; R. K. Kelsall, *Population*; J. A. Banks, *Prosperity and Parenthood*; D. V. Glass, "Fertility Trends in Europe since the Second World War" (*Population Studies*, March 1969); O. R. McGregor, *Divorce in England*; C. Rosser and C. Harris, *The Family and Social Change*; W. Ashworth, *The Genesis of Modern British Town Planning*; R. Glass, "Urban Sociology in Great Britain" in R. Pahl (Ed.), *Readings in Urban Sociology*; Centre for Urban Studies (Ed.), *London: Aspects of Change*; J. B. Cullingworth, *Housing Needs and Planning Policy*; M. Stacey, *Tradition and Change*; J. Littlejohn, *Westrigg*; P. Anderson and R. Blackburn (Eds.), *Towards Socialism*; T. B. Bottomore, *Elites and Society*; G. Routh, *Occupation and Pay in Great Britain, 1906-60*; J. L. Nicholson, *Redistribution of Income in the United Kingdom*; T. Nichols, *Ownership, Control and Ideology*; Royal Commission on Trade Unions, *Report and Written Evidence of the Ministry of Labour and Research Papers*, Nos. 1, 3 and 6; V. L. Allen, *Power in Trade Unions*; K. Knowles, *Strikes*; R. V. Clements, *Managers*; I. C. McGivering and others, *Management in Britain*; D. V. Glass, *Social Mobility in Britain*; S. M. Miller, "Comparative Social Mobility" (*Current Sociology*, Vol. IX, No. 1); K. Prandy, *Professional Employees*; R. K. Kelsall, *Higher Civil Servants in Britain*; D. Lockwood, *The Blackcoated Worker*; W. G. Runciman, *Relative Deprivation and*

Social Justice; J. H. Goldthorpe *et al.*, *The Affluent Worker*; O. Banks, *Parity and Prestige in English Secondary Education*; D. V. Glass, "Education in England" in J. Floud *et al.* (Eds.), *Education, Economy and Society*; J. W. B. Douglas *et al.*, *All our Future*; Committee on Higher Education, *Report* (Cmnd. 2154); E. Robinson, *The New Polytechnics*; W. Guttsman, *The British Political Elite*; R. T. McKenzie, *British Political Parties*; R. T. McKenzie and A. Silver, *Angels in Marble*; D. Butler and D. Stokes, *Political Change in Britain*; R. Miliband, *The State in Capitalist Society*; S. Beer, *Modern British Politics*; J. Blondel, *Voters, Parties and Leaders*; *Report of the Royal Commission on the Press* (Cmnd. 7700); F. Williams, *Dangerous Estate: the Anatomy of Newspapers*; R. Hoggart, *The Uses of Literacy*; B. Paulu, *British Broadcasting: Radio and Television in the United Kingdom*; D. A. Martin, *A Sociology of English Religion*; K. Inglis, *Churches and the Working Class in 19th Century England*; B. Wilson, *Religion and Secular Society*; B. Abel-Smith and R. B. Stevens, *Lawyers and the Courts*; M. Ginsberg (Ed.), *Law and Opinion in England in the Twentieth Century*; R. Glass, *Newcomers*; P. Foot, *Immigration and Race in British Politics*; E. J. B. Rose *et al.*, *Colour and Citizenship*. Additional reading lists will be given for class work.

844(a) The Social Structure of Modern Britain (Classes)

For B.Sc. (Econ.) Part II: *Social Structure of Modern Britain*, IX 6; X 1 and 2e; XV 5 and 6e; B.Sc. (Maths) Part II: 5-8k (third year); B.A./B.Sc. (Soc.) Branch I, 7 and 8a (second and third years).

845 The Social Structure of Modern Britain: Selected Topics

Professor Glass, Professor McKenzie, Dr D. A. Martin and Mr Westergaard. Michaelmas and Lent Terms.

For B.A./B.Sc. (Soc.) Branch I, 7 and 8a (third year). Optional for B.Sc. (Econ.) Part II: *Social Structure of Modern*

Sociology

Britain, IX 6; X 1 and 2e; XV 5 and 6e; B.Sc. (Maths.) Part II: 5-8k (third year). A syllabus will be given at the beginning of the course.

846 Graeco-Roman Society

Mr Hopkins. Ten lectures, Michaelmas Term.

For B.A./B.Sc. (Soc.) Branch I, 7 and 8b (second year).

Syllabus and recommended reading will be given during the course.

846(a) Graeco-Roman Society (Class)

Twenty classes, Michaelmas and Lent Terms.

For B.A./B.Sc. (Soc.) Branch I, 7 and 8b (second year).

Syllabus and recommended reading will be given during the course.

846(b) Graeco-Roman Society (Class)

Twenty classes, Michaelmas and Lent Terms.

For B.A./B.Sc. (Soc.) Branch I, 7 and 8b (third year).

847 Social Structure and Social Change

Mr Hopkins. Twenty lectures, Michaelmas and Lent Terms.

For B.A./B.Sc. (Soc.) Branch I, 9 and 10a (second year).

Recommended reading R. M. MacIver, *Social Causation*; M. Ginsberg, *Essays in Sociology and Social Philosophy*, Vol. III; W. L. Wallace (Ed.), *Sociological Theory*; W. W. Rostow, *The Stages of Economic Growth*; G. Hunter, *The New Societies of Tropical Africa*; P. Laslett, *The World We Have Lost*; G. and M. Wilson, *The Analysis of Social Change*; J. Steward, *Social Evolution*; R. Redfield, *The Primitive World and its Transformations*; S. M. Lipset, *Political Man*; E. and A. Etzioni, *Social Change*; B. Hoselitz,

Sociological Aspects of Economic Growth; N. J. Smelser, *Social Change in the Industrial Revolution*; C. Kerr *et al.*, *Industrialism and Industrial Man*; C. C. Brinton, *The Anatomy of Revolution*; D. C. McClelland, *The Achieving Society*; B. F. Hoselitz and W. E. Moore, *Industrialization and Society*; W. J. Goode, *The Modern Revolution and the Family*; A. de Tocqueville, *Democracy in America*; C. Johnson, *Revolution and the Social System*; G. M. Meier, *Leading Issues in Development Economics*; A. Gerschenkron, *Economic Backwardness in Historical Perspective*; L. Coser, *Men of Ideas*; C. Belshaw, *Traditional Exchange and Modern Markets*; E. R. Sahlins and M. D. Service, *Evolution and Culture*; T. Parsons, *Societies, Evolutionary Perspectives*; P. A. Sorokin, *Social Philosophies of an Age of Crisis*.

847(a) Social Structure and Social Change (Classes)

Michaelmas Term.

For B.A./B.Sc. (Soc.) Branch I, 9 and 10a; Branch II, 10d (second and third years).

848 Sociology of Religion

Professor Gellner, Dr D. A. Martin and Mrs Scharf. Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II: *Comparative Morals and Religion* IX 8d (second year); B.A./B.Sc. (Soc.), Branch I, 9 and 10c (second year); M.Sc.: *Sociology of Religion*, XIX 3 (iv); Dip. Soc. Anth. (first year).

Syllabus Dr D. A. Martin and Mrs Scharf: an introduction to the study of socially shared belief systems, their institutional aspects and relations with the rest of the social order, and their connections with conduct.

Professor Gellner and Dr D. A. Martin: sociology of Islam, Judaism and early Christianity. Religion in developing societies. Religion in advanced industrial societies.

Recommended reading will be given during the course.

Sociology

848(a) Sociology of Religion (Class)
Dr D. A. Martin and Mrs Scharf.
Michaelmas and Lent Terms. In
connection with Course No. 848.

849 Political Sociology

Professor McKenzie and Mr
Stewart. Thirty lectures.

(i) Second Year. Michaelmas and
Lent Terms.

For B.Sc. (Econ.) Part II: *Political
Sociology*, IX 8e; B.A./B.Sc. (Soc.)
Branch I, 9 and 10f; M.Sc.: *Theories and
Concepts of Political Sociology*, XIX (xi);
Political Stability and Change, XIX (xii);
The Study of Political Behaviour,
XIX (xiii) (preliminary and final years);
Political Sociology, XV 4.

(ii) Third Year. Michaelmas Term.

For B.Sc. (Econ.) Part II: *Political
Sociology*, IX 8e; B.A./B.Sc. (Soc.)
Branch I, 9 and 10f; Branch II, 10e; M.Sc.:
Political Sociology, XV 4;
*Theories and Concepts of Political
Sociology*, XIX (xi); *Political Stability
and Change*, XIX (xii); *The Study
of Political Behaviour*, XIX (xiii)
(preliminary and final years) and other
graduate students.

Syllabus The meaning, scope and method
of political sociology: some basic concepts.
The contribution of a selected list of
writers to the historical development of
the subject (including Marx, Tocqueville,
Pareto, Michels, Mosca, Sorel, Durkheim,
Weber, Graham Wallas).

The relations of the state to other
institutions. Social movements, political
parties and interest groups: their place in
the political process; problems of their
inner development; leadership, oligarchy
and bureaucracy. The study of political
behaviour: participation and non-
participation in politics; factors influencing
electoral choice; the mass media and
public opinion. Decision-making and the
political process: the role and social
background of political decision-makers.
Bureaucracy and the administrative
process. The sociology of political
instability and change.

Recommended reading S. Lipset, *Political*

Man; H. Hyman, *Political Socialization*;
W. Mitchell, *Sociological Analysis and
Politics*; R. Bendix and S. Lipset, *Class,
Status and Power* (2nd edn., pp. 201-266);
R. Michels, *Political Parties* (Collier edn.
with Foreword by S. M. Lipset); S.
Eldersveld, *Political Parties*; R. T.
McKenzie, *Angels in Marble*; M. Weber,
"Politics as a Vocation" and "Bureaucracy"
in H. H. Gerth and C. W. Mills (Eds.),
From Max Weber; R. T. McKenzie,
British Political Parties; S. Beer, *Modern
British Politics*; R. Miliband, *The State in
Capitalist Society*; V. O. Key, *Politics,
Parties and Pressure Groups*; G. Wallas,
Human Nature in Politics; W. G. Runciman,
Social Science and Political Theory; A.
Ranney (Ed.), *Essays on the Behavioural
Study of Politics*; N. W. Polsby et al.,
Politics and Social Life; H. H. Eckstein
and D. E. Apter (Eds.), *Comparative
Politics*; R. Aron, *Main Currents in
Sociological Thought*; M. Ostrogorski,
*Democracy and the Organisation of
Political Parties*; M. Duverger, *Political
Parties*; J. LaPalombara and M. Weiner,
Political Parties and Political Development;
A. Leiserson, *Parties and Politics*; G.
Mosca, *The Ruling Class*; S. Finer,
Pareto; C. W. Mills, *The Power Elite*,
W. L. Guttsman, *The British Political
Elite*; *The English Ruling Class*; T. B.
Bottomore, *Elites and Society*; R. Dahl,
Who Governs?; A. Rose, *The Power
Structure*; R. E. Lane, *Political Ideology*;
R. M. MacIver, *The Modern State*; *The
Web of Government*; R. K. Merton and
others, *Reader in Bureaucracy*; R. Michels
"Some Reflections on the Sociological
Character of Political Parties" (*American
Political Science Review*, November, 1927);
J. A. Schumpeter, *Capitalism, Socialism
and Democracy*; R. E. Lane and D. Sears,
Public Opinion and Ideology; B. R. Berelson
and M. Janowitz (Eds.), *Reader in Public
Opinion and Communication*; J. T. Klapper,
The Effects of Mass Communication; H. D.
Lasswell, *Politics*; *Who Gets What, When,
How*; H. D. Lasswell and A. A. Kaplan,
Power and Society; D. Easton, *A Frame-
work for Political Analysis*; P. Pulzer,
Political Representation and Elections;
R. Rose, *Politics in England*; *Studies in
British Politics*; J. Trenaman and D.
McQuail, *Television and the Political
Image*; B. R. Berelson and others, *Voting*;

Sociology

S. Lipset and others, "The Psychology of
Voting" in A. Lindzey (Ed.), *Handbook of
Social Psychology*; A. Campbell and
others, *The American Voter*; E. Burdick
and A. J. Brodbeck (Eds.), *American
Voting Behaviour*; D. Butler and D. Stokes,
Political Change in Britain; W. Kornhauser
The Politics of Mass Society; J. Bonham,
The Middle Class Vote; R. S. Milne and
H. C. Mackenzie, *Straight Fight*; S. E.
Finer, *Anonymous Empire*; *The Political
Quarterly*, January-March, 1958: Special
Number on Pressure Groups; M. Harrison,
*Trade Unions and the Labour Party since
1945*; D. B. Truman, *The Governmental
Process*; L. Trotsky, *The Revolution
Betrayed*; M. Fainsod, *How Russia is
Ruled*; Barrington Moore, Jr., *Soviet
Politics*; I. Deutscher, *The Unfinished
Revolution*; G. A. Almond and S. Verba,
The Civic Culture; L. Pye and S. Verba
(Eds.), *Political Culture and Political
Development*; I. de S. Pool et al., *Candidates,
Issues and Strategies*; E. Allardt and Y.
Littonen, *Cleavages, Ideologies and Party
Systems*; S. M. Lipset and S. Rokkan, *Party
Systems and Voter Alignments*; Barrington
Moore, Jr., *Social Origins of Dictatorship
and Democracy*; P. Nettl, *Political
Mobilisation*; C. Johnson, *Revolutionary
Change and Revolution and the Social
System* (Hoover Institution Studies,
No. 3, 1964); N. Smelser, *Theory of
Collective Behaviour*; D. Easton and J.
Dennis, *Children and the Political System*.

849(a) Political Sociology (Classes)

Ten classes, Lent Term.

For B.Sc. (Econ.) Part II: *Political
Sociology*, IX 8e; B.A./B.Sc. (Soc.)
Branch I, 9 and 10f (second year).

**849(b) Political Sociology
(Seminar/Classes)**

Fortnightly, Michaelmas and Lent
Terms.

For B.Sc. (Econ.) Part II: *Political
Sociology*, IX 8e; B.A./B.Sc. (Soc.)
Branch I, 9 and 10f (third year).
Interested students may wish to attend
Course No. 543 Political Change and
Political Development.

850 Industrial Sociology

Mr Hilbourne, Mr Hadley and
others. Twenty-five lectures,
Sessional.

For B.A./B.Sc. (Soc.) Branch I, 9 and
10g; Branch III, 7e; B.Sc. (Econ.) Part II:
Industrial Sociology, IX 8f (second year).

Syllabus The relation between industry
and other elements of the social system,
political, educational, demographic;
stratification; industrial relations etc.
The internal structure of industrial
organizations examined with reference to
worker morale, management structure,
communication, productivity and other
variables.

Recommended reading E. Schneider,
Industrial Sociology; N. Smelser, *Sociology
of Economic Life*; R. Bendix, *Work and
Authority in Industry*; G. Friedmann,
Industrial Society; J. G. Abegglen, *The
Japanese Factory*; C. Kerr et al.,
Industrialism and Industrial Man; H.
Marcuse, *One-Dimensional Man*; C. R.
Walker (Ed.), *Modern Technology and
Civilization*; R. Aron, *Eighteen Lectures on
Industrial Society*; A. Etzioni, *Modern
Organizations*; H. March and H. Simon,
Organizations; E. Mayo, *The Social
Problems of an Industrial Civilization*;
P. M. Blau, *Dynamics of Bureaucracy*;
A. Gouldner, *Patterns of Industrial
Bureaucracy*; N. Mouzelis, *Organisation
and Bureaucracy*; T. Burns and G. Stalker,
The Management of Innovation; M.
Crozier, *The Bureaucratic Phenomenon*;
J. Woodward, *Industrial Organization*;
H. M. Vollmer and D. L. Mills (Eds.),
Professionalisation; W. Kornhauser,
Scientists in Industry; D. Katz et al.,
*Productivity, Supervision and Morale
among Railroad Workers*; L. Baritz, *The
Servants of Power*; C. Argyris, *Integrating
the Individual and the Organization*;
R. Blauner, *Alienation and Freedom*;
W. H. Scott et al., *Technical Change and
Industrial Relations*; A. Touraine et al.,
Workers' Attitudes to Technical Change;
J. H. Goldthorpe et al., *The Affluent
Worker*; H. A. Simon, *The Shape of
Automation*; T. Caplow, *Sociology of
Work*; C. W. Mills, *White Collar*; N.
Dennis et al., *Coal is Our Life*; Liverpool
University, *The Dockworker*; J. Tunstall,

Sociology

The Fishermen; E. Chinoy, *Automobile Worker*; D. Lockwood, *The Blackcoated Worker*.

850(a) Industrial Sociology (Classes)

Fifteen classes, Michaelmas and Lent Terms.

For B.A./B.Sc. (Soc.) Branch I, 9 and 10g (third year); Branch III, 7e; B.Sc. (Econ.) Part II: *Industrial Sociology*, IX 8f (third year).

851 Industrial Sociology: Selected Topics

Mr Hill and others. Michaelmas Term.

For B.A./B.Sc. (Soc.) Branch I, 9 and 10g; Branch III, 7e; B.Sc. (Econ.) Part II: *Industrial Sociology*, IX 8f (third year).

Recommended reading will be given during the course.

852 Criminology

Professor T. P. Morris. Sessional.

For B.Sc. (Econ.) Part II: *Criminology*, IX 8c (second year); B.A./B.Sc. (Soc.) Branch I, 9 and 10d (second year); Branch III (second year, especially for 7f); optional for Dip. Soc. Admin. incl. Overseas Option (one-year and first year).

Syllabus Conception of crime. Functions and methods of criminology. Criminal types and causal factors in crime; physical, psychological, social and economic factors. Special problems; juvenile and female delinquency. Penal philosophy and psychology, especially meaning and objects of punishment. Penal history. The modern English penal system and the criminal courts. Problems of crime prevention.

Recommended reading TEXTBOOKS:

H. Mannheim, *Comparative Criminology*; H. Jones, *Crime and the Penal System* (3rd edn.); E. H. Sutherland, *Principles of Criminology* (6th edn. revised by D. R. Cressey); N. Walker, *Crime and Punishment in Britain*; L. W. Fox, *The English Prison and Borstal Systems*; W. A. Elkin, *The English Penal System*; Central Office of Information, *The Treatment of Offenders in Britain*, 1960; U.K. Home Office,

Prisons and Borstals (revised edn., 1960); M. Wolfgang et al. (Eds.), *Sociology of Crime and Delinquency*; *Sociology of Punishment and Correction*; M. Wolfgang and F. Ferracuti, *The Subculture of Violence*; G. Vold, *Theoretical Criminology*; D. Downes, *The Delinquent Solution*.

FURTHER READING: D. R. Taft, *Criminology*; W. C. Reckless, *The Crime Problem*; *Criminal Behavior*; H. E. Barnes and N. K. Teeters, *New Horizons in Criminology*; S. Hurwitz, *Criminology*; H. Mannheim, *Group Problems in Crime and Punishment*; *Social Aspects of Crime in England between the Wars*; H. Mannheim and L. T. Wilkins, *Prediction Methods in Relation to Borstal Training*; H. Mannheim (Ed.), *Pioneers in Criminology*; S. S. and E. T. Glueck, *Unravelling Juvenile Delinquency*; *Physique and Delinquency*; *Family Environment and Delinquency*; S. S. Glueck (Ed.), *The Problem of Delinquency*; P. W. Tappan, *Juvenile Delinquency*; *Crime, Justice and Correction*; A. Aichhorn, *Wayward Youth*; C. L. Burt, *The Young Delinquent*; J. Bowlby, *Forty-four Juvenile Thieves*; *Maternal Care and Mental Health*; D. H. Stott, *Delinquency and Human Nature*; *Unsettled Children and their Families*; W. Healy and A. F. Bronner, *New Light on Delinquency and its Treatment*; M. L. Barron, *The Juvenile in Delinquent Society*; A. K. Cohen, *Delinquent Boys: The Culture of the Gang*; T. Ferguson, *The Young Delinquent in his Social Setting*; T. P. Morris, *The Criminal Area*; F. M. Thrasher, *The Gang*; F. Redl and D. Wineman, *Children Who Hate*; H. Bloch and F. Flynn, *The Juvenile Offender in America Today*; G. M. Sykes, *The Society of Captives*; *Crime and Society*; W. Norwood East, *Society and the Criminal*; A. K. Cohen and others (Eds.), *The Sutherland Papers*; S. Rubin, *Crime and Juvenile Delinquency*; E. Powers and H. Witmer, *An Experiment in the Prevention of Delinquency: The Cambridge-Somerville Youth Study*; B. Wootton, *Social Science and Social Pathology*; W. M. and J. McCord, *Origins of Crime*; R. A. Cloward and L. E. Ohlin, *Delinquency and Opportunity*; G. B. Trasler, *The Explanation of Criminality*; H. Mannheim, *The Dilemma of Penal Reform*; *Criminal Justice and Social Reconstruction*; S. M. Fry, *Arms of the Law*; R. S. E.

Sociology

Hinde, *The British Penal System*; D. L. Howard, *The English Prisons*; J. F. S. King, *The Probation Service*; N. Morris, *The Habitual Criminal*; M. Grünhut, *Juvenile Offenders Before the Courts*; J. A. F. Watson, *The Child and the Magistrate*; P. W. Tappan (Ed.), *Contemporary Correction*; H. J. Klare, *Anatomy of Prison*; H. Ashley Weeks, *Youthful Offenders at Highfields*; W. E. Cavenagh, *The Child and the Court*; F. H. McClintock and others, *Attendance Centres*; F. H. McClintock and E. Gibson, *Robbery in London*; E. Green, *Judicial Attitudes in Sentencing*; R. Hood, *Sentencing in Magistrates' Courts*; R. G. Andry, *The Short-Term Prisoner*; J. B. Mays, *Crime and the Social Structure*; T. P. and P. J. Morris, *Pentonville*; D. R. Cressey (Ed.), *The Prison*; P. J. Morris, *Prisoners and their Families*.

THE FOLLOWING OFFICIAL SOURCES SHOULD BE CONSULTED: Annual Reports of the Commissioners of Prisons and of the Central After-Care Association; U.K. Home Office, *Criminal Statistics* (England and Wales), published annually as command papers; U.K. Home Office, *Reports on the Work of the Children's Department* (occasional). The following Reports: *Royal Commission on Capital Punishment*, 1953 (Cmd. 8932); *Royal Commission on the Law Relating to Mental Illness and Mental Deficiency*, 1957 (Cmnd. 169); *Committee on Homosexual Offences and Prostitution*, 1957 (Cmnd. 247); *Penal Practice in a Changing Society*, 1959 (Cmnd. 645); *Report of the Committee on Children and Young Persons*, 1960 (Cmnd. 1191); *Committee on the Probation Service*, 1962 (Cmnd. 1650); *Interdepartmental Committee on the Business of the Criminal Courts*, 1961 (Cmnd. 1289); U.K. Home Office Advisory Council on the Treatment of Offenders, *Alternatives to Short Terms of Imprisonment*, 1957; *The After-Care and Supervision of Discharged Prisoners*, 1958; *The Treatment of Young Offenders*, 1959; *Corporal Punishment*, 1960; *Work for Prisoners*, 1961; *Preventive Detention*, 1962; U.K. Home Office, *The Probation Service: its Objects and its Organisation*, 1958; *Time Spent Awaiting Trial*, 1960; *Delinquent Generations*, 1960; *Murder*, 1961; United Nations IV. Social Welfare, 1951-2, *Probation and Related Measures*;

The Criminal Justice Act, 1948; The Magistrates' Courts Act, 1952; The Prison Act, 1952, and the Prison Rules; The First Offenders Act, 1959; The Mental Health Act, 1959; The Criminal Justice Act, 1967.

853 Introductory Criminology (Class)

Professor T. P. Morris and Dr Rock. Lent Term.

For B.A./B.Sc. (Soc.) Branch I, 9 and 10d; Branch III, 7f (second year); B.Sc. (Econ.) Part II: *Criminology*, IX 8c (second year).

854 Selected Problems of Criminology and Penology

Professor T. P. Morris and Dr Rock. Twelve lectures, Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II: *Criminology*, IX 8c (third year); B.A./B.Sc. (Soc.) Branch I, 9 and 10d, Branch III, 7f (third year). Optional for Dip. Soc. Admin. (second year and one-year). Suitable for students who have already attended Course No. 852.

Recommended reading As for Course No. 852. Further literature will be recommended during the course.

855 The Causes and Treatment of Crime (Seminar)

Professor T. P. Morris and Dr Rock. Fortnightly, Michaelmas and Lent Terms.

For B.A./B.Sc. (Soc.) Branch I, 9 and 10d; Branch III, 7f (third year); B.Sc. (Econ.) Part II: *Criminology*, IX 8c (third year).

856 Sociology of Education

Dr Vaughan. Twenty lectures. Sessional.

For B.A./B.Sc. (Soc.) Branch I, 9 and 10 (i); B.Sc. (Econ.) Part II, *Sociology of Education*, IX 8g (second year).

Sociology

Syllabus The relationship between education and other social institutions. An examination of the changing relationship between education and these institutions, taking selected examples from various European countries, leading to a discussion of the main sociological theories of educational change.

Recommended reading will be given during the course.

856(a) Sociology of Education (Classes)

Sessional.

For B.A./B.Sc. (Soc.) Branch I 9 and 10 (i); B.Sc. (Econ.) Part II: *Sociology of Education*, IX 8g (second year).

856(b) Sociology of Education (Classes)

Sessional. This course will not be given in the session 1970-71.

For B.A./B.Sc. (Soc.) Branch I 9 and 10 (i); B.Sc. (Econ.) Part II: *Sociology of Education*, IX 8g (third year).

857 Mathematics for Sociologists (Introductory Course)

Mr Steuer. Twenty lectures and classes.

Optional for B.A./B.Sc. (Soc.) Branch I, 2 (first and second years).

Syllabus An introduction to formal theory in sociology, and the mathematical techniques which are most frequently used in this field. Half of the course is allocated to teaching these techniques. No mathematical background is assumed. In the second half the techniques are applied to a representative sample of topics, such as: survival theory in culture; group behaviour including pressures to conformity; rank and social integration; the theory of balance in social structure; communication networks; organization theory.

Recommended reading (The following provide some indication of subject matter, but give an exaggerated view of the mathematical difficulty of the course.) J. S. Coleman, *Introduction to Mathematical*

Sociology; W. N. McPhee, *Formal Theories of Mass Behaviour*; J. G. Kemeny and J. L. Snell, *Mathematical Models in the Social Sciences* (chaps. 5 and 8); J. Berger *et al.*, *Sociological Theories in Progress*.

858 Social Research (Classes)

Mr Westergaard. Lent and Summer Terms.

For B.A./B.Sc. (Soc.) Branch I, 2 (first year).

859 Current Research in Sociology

Mr Hill and others. Ten lectures, Lent Term.

Optional for B.A./B.Sc. (Soc.) Branch I (first year) and for other interested students. A different member of the teaching staff of the Sociology department will each week give a lecture on his own and related current research in various fields. A programme will be given at the beginning of the course.

FOR GRADUATE STUDENTS

M.Sc. Sociology, Preliminary Year

Courses 860-861 are for first-year graduate students of sociology preparing to take the departmental qualifying examination.

860(i) Sociological Theory (Seminar)

Dr Swingewood. Sessional.

860(ii) Social Institutions (Seminar)

Mr Hill. Sessional.

861 Methods of Social Investigation (Class)

Mr Westergaard.

Recommended reading will be given during the course.

Sociology

Students should also attend the following courses: 840, 843, 914, 916, 933.

M.Sc. Sociology, Final-Year and other Graduate Courses

862 Sociological Theory

For M.Sc.: *Sociological Theory*, XIX 1.

(i) Dr D. A. Martin and others. Seminars, Sessional.

(ii) Dr Cohen. Ten lectures, Summer Term.

863 Design and Analysis of Social Investigations

Miss Gales and Mr Westergaard. Sessional.

For M.Sc.: *Methods of Sociological Study*, III 3(i); XIX 2. Other graduate students may attend only by arrangement with Mr Westergaard.

Syllabus The main problems arising in the design of social investigations, the collection of data and the analysis and interpretation of results.

Recommended reading Detailed recommendations will be made during the course, but the following may be regarded as background reading: E. Nagel, *The Structure of Science*; C. Selltitz and others, *Research Methods in Social Relations*; C. A. Moser, *Survey Methods in Social Investigation*; C. Y. Glock (Ed.), *Survey Research in the Social Sciences*; B. S. Phillips, *Social Research: Strategy and Tactics*; S. Payne, *The Art of Asking Questions*; A. N. Oppenheim, *Questionnaire Design and Attitude Measurement*; H. Zeisel, *Say It with Figures*.

864 Design and Analysis of Social Investigations: Project Class

Mr Westergaard. One-and-a-half hours per week, Lent and Summer Terms.

For M.Sc.: *Methods of Sociological Study*, III 3i; XIX 2. Arrangements may be made for students to take an alternative option to this.

865 Social Structure of Industrial Societies

Professor Glass and others.

Sessional. This course will include lectures and seminars.

For M.Sc.: *Social Structure of Industrial Societies*, XIX 3(i).

Syllabus Demographic background. The family. Urbanisation. Occupational structure and industrial organization. Income and wealth. The nature and objectives of the educational system. Religion and religious institutions. Social stratification and social mobility. Political organization and the structure of power.

866 Sociology of Education

Dr Vaughan. Twenty seminars, Sessional.

For M.Sc.: *Sociology of Education*, XIX 3(ii); M.Phil.

Syllabus Education as a selection and training device in Western European societies. The influence of social structure upon the forms and content of education. **Recommended reading** will be given during the course.

867 Sociology of Deviant Behaviour

For M.Sc.: *Sociology of Deviant Behaviour*, XIX 3(iii).

(i) Dr Rock. Six Lectures, Michaelmas Term.

(ii) Dr Rock and others. Seminars. Sessional.

Syllabus and recommended reading will be given at the beginning of the course.

868 Sociology of Religion (Seminar)

Dr D. A. Martin and Mrs Scharf. Fortnightly, Sessional.

For M.Sc.: *Sociology of Religion*, XIX 3(iv).

869 Social Structure and Social Change (Graduate Course)

This course will not be given in the session 1970-71.

Sociology

870 Sociology of Development

This course may not be given in the session 1970-71, but interested students may wish to attend Course No. 543 Political Change and Political Development.

871 Race Relations (Seminar)

Dr Cohen, Dr D. A. Martin and others. Twenty seminars, Sessional.

For M.Sc.: *Race Relations*, XIX 3(x).

Syllabus Social structural, cultural and psychological aspects of relations between ethnic and racial groups in various societies and regions, e.g. North America, Southern Africa, S.E. Asia, Middle East, Britain. There will be a strong emphasis on general theoretical problems and the bearing of empirical cases on these.

Recommended reading will be given during the course.

872 Political Behaviour (Seminar)

Professor McKenzie. Lent and Summer Terms.

For M.Sc.: *The Study of Political Behaviour*, XV 4; XIX 3(xiii).

Note For **Theories and Concepts of Political Sociology** (M.Sc.: XV 4; XIX 3(xi)) and **Political Stability and Change** (M.Sc.: XV 4; XIX 3(xii)) see Courses Nos. 543, 544 and 546.

873 Research Project (Seminar)

Mr Hopper. Weekly, Lent and Summer Terms.

For M.Sc.: *Essay*, XIX 3(xvi).

874 Social Problems (Evening Seminar)

This course will not be given in the session 1970-71.

For M.Phil. and Ph.D. students and others engaged in the fields of the sociology of deviance and crime and related areas. M.Sc. students may attend on application.

875 The Social Structure of France

Dr Vaughan. Ten fortnightly seminars, Lent and Summer Terms.

For graduate students in Sociology and Government.

Syllabus The milieu: natural and political. Population and class structure. The educational system. Rural France. Urban France. Workers and trade unions. The administrative and political personnel. The traditional forces: the Army and the Church.

Recommended reading will be given during the course.

876 The Social Structure of the U.S.S.R. and Poland

Dr Vaughan and Miss Weinberg. Ten lectures, Lent Term.

For interested students.

Recommended reading will be given during the course.

877 Social and Demographic Problems in Medicine

Dr Douglas and Mr Wadsworth.

Five lectures, Michaelmas Term.

Seven lectures, Lent Term.

For M.Sc.: *Problems of Public Health and Sociomedical Research*, III 3(v) and other graduate students. Optional for B.A./B.Sc. (Soc.) Branch I, 9 and 10e (third year).

Syllabus Early studies of environment and health. The pattern of illness and growth related to demographic and social changes. High-risk groups in the population, problems of identification. Comparisons of the health of populations. Use of sociological methods in the study of disease. Introduction to sociological studies in medicine.

Recommended reading A. Bradford Hill, *Statistical Methods in Clinical and Preventive Medicine*; G. W. Brown and J. Wing, *Comparative Clinical and Social Survey of a Mental Hospital* (Soc. Rev. Monog. No. 5, Keele); F. M. Burnet, *Natural History of Infectious Disease*; N. R. Butler and D. G. Bonham, *Perinatal*

Sociology

Mortality; J. W. B. Douglas and J. M. Blomfield, *Children Under Five*; H. Eckstein, *English Health Service*; S. E. Finer, *Life and Times of Sir Edwin Chadwick*. T. McKeown, *Medicine in Modern Society*, J. N. Morris, *Uses of Epidemiology*; M. Rutter, *Children of Sick Parents*; M. W. Susser and W. Watson, *Sociology in Medicine*; J. M. Tanner, *Growth at Adolescence*; World Health Organization, *Trends in the Study of Morbidity and Mortality*; Rosemary Stevens, *Medical Practice in Modern England*; D. Mechanic, *Medical Sociology*.

878(i) Social Structure and Social Change in Latin America

Fifteen lectures, Michaelmas and Lent Terms. This course will not be given in the session 1970-71.

878(ii) Social Structure and Social Change in Latin America (Seminar)

Sessional. This course will not be given in the session 1970-71.

879 Sociology of Islam (Intercollegiate Seminar)

Professor Gellner, Professor I. M. Lewis and Dr Cohen. Sessional.

Attendance by permission of the teachers concerned.

Recommended for M.Sc.: *Sociology of Development*, XIX 3(viii).

880 Sociology of Literature (Seminar)

Dr Swingewood. Fortnightly, Sessional.

For interested students.

Syllabus This seminar will explore the theoretical problems of the sociology of literature and then discuss some empirical work.

881 Current Sociological Research (Seminar)

Fortnightly, Sessional.

Optional for M.Phil., Ph.D., and Research Fee students in Sociology.

**Statistics, Mathematics, Computing
and Operational Research**

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Statistics, Mathematics, Computing and Operational Research

(a) MATHEMATICS

900 Basic Mathematics

Professor Sir Roy Allen. Twenty-five lectures, Sessional.

For B.Sc. (Econ.) Part I: alternative subject 1 (a) *Basic Mathematics*; B.Sc. (Econ.) Part II: *Introduction to Modern Mathematics*, I 2b; III 3i; V 2g; XVI 2b (second year); B.Sc. (Geog.) C 151. Open to others needing an introduction to modern algebra and the calculus; no specific knowledge of elementary mathematics is assumed.

Syllabus Concepts of sets, groups and fields. The idea of a function. Mappings and transformations with simple examples. The elementary functions (including the exponential function, the logarithmic function and the circular functions), their expansions, derivatives and integrals. Introduction to complex numbers, to vectors and matrices.

Recommended reading I. Adler, *The New Mathematics*; R. G. D. Allen, *Basic Mathematics*; G. H. Hardy, *Pure Mathematics*; W. W. Sawyer, *Mathematician's Delight*; *Prelude to Mathematics* (Pelican Books); C. J. Tranter, *Advanced Level Pure Mathematics*.

FURTHER READING: G. Birkhoff and S. MacLane, *A Survey of Modern Algebra*; R. Courant and H. Robbins, *What is Mathematics?*; G. Hadley, *Linear Algebra*; J. G. Kemeny, J. L. Snell and G. L. Thompson, *Introduction to Finite Mathematics*; E. A. Maxwell, *An Analytical Calculus*.

900(a) Basic Mathematics First-Year Class

Dr Knott, Dr Scott, and others. Twenty-five classes, Sessional.

For B.Sc. (Econ.) Part I: alternative subject 1 (a) *Basic Mathematics*; B.Sc. (Geog.) C 151.

900(b) Basic Mathematics Second-Year Class

Lecturer to be announced. Twenty-five classes, Sessional.

For B.Sc. (Econ.) Part II: *Introduction to Modern Mathematics*, I 2b; III 3i; V 2g; XVI 2b (second year).

901 Introduction to Modern Mathematics

Mr Tymes. Two hours per week, Lent Term.

For B.Sc. (Econ.) Part II: *Introduction to Modern Mathematics*, I 2b; III 3i; V 2g; XVI 2b (third year).

902 Linear Algebra and Methods of Analysis

Dr Binmore and Mr R. A. Holmes.

(i) Twenty-five lectures, Sessional.

For B.Sc. (Econ.) Part I: alternative subject 1 (b) *Algebra and Methods of Analysis*; B.Sc. (Maths.) Part I, paper 3; B.Sc. (Geog.) C 152.

(ii) Ten lectures, Michaelmas Term.

For B.Sc. (Econ.) Part I: alternative subject 1 (b) *Algebra and Methods of Analysis*; B.Sc. (Geog.) C 152.

Syllabus Finite dimensional vector spaces. Linear dependence. Isomorphisms, linear mappings. Matrices. Limits and series. Derivatives and integrals of functions of one variable.

Recommended reading G. Hadley, *Linear Algebra*; C. W. Curtis, *Linear Algebra*.

902(a) Linear Algebra and Methods of Analysis Class

Dr Freedman. Twenty classes, Sessional, beginning in the third week of the Michaelmas Term.

For B.Sc. (Econ.) Part I: alternative subject 1 (b) *Algebra and Methods of Analysis*; B.Sc. (Geog.) C 152; B.Sc. (Maths.) Part I, paper 3.

903 Introduction to Analysis and Set Theory

Dr Binmore. Fifty lectures, Sessional.

For B.Sc. (Maths.) Part I, paper 2; B.Sc. (Econ.) Part I: alternative subject 15, *Introduction to Analysis and Set Theory*; B.Sc. (Geog.) C 153; B.Sc. (Econ.) Part II: *Introduction to Analysis and Set Theory*, II 3a (iii), 3b (ii); V 2i; X 3b; XI 3c; XV 5 and 6f (i); XVI 2c (second year).

Syllabus Sets of points in one and several dimensions. Structure of sets, open sets, closed sets, countable sets. The notion of measure of a set. The notion of limit for sequences and functions of a continuous variable.

Recommended reading J. C. Burkill, *An Introduction to Mathematical Analysis*.

903(a) Introduction to Analysis and Set Theory Class

Dr Binmore, Professor Offord and Mr R. A. Holmes. Twenty-five classes, Sessional, beginning in the second week of the Michaelmas Term, in connection with Course No. 903.

904 Algebra and Theory of Probability I

Professor Offord and Dr Freedman. Forty lectures, Sessional.

For B.Sc. (Maths.) Part I, paper 4.

Syllabus The numbers system and the rules of algebra. Fields. Integers and polynomials over a field. Fundamental theorem of algebra. Polynomials in several indeterminates, symmetric polynomials. The theory for discrete sample spaces. Independence. The main distributions. Sums of independent random variables.

904(a) Algebra and Theory of Probability I Class

Dr Freedman. Twenty classes, Sessional, beginning in the third week of the Michaelmas Term. For B.Sc. (Maths.) Part I, paper 4.

905 Real Variable I

Professor Offord. Thirty lectures, Sessional.

For B.Sc. (Maths.) Part II, papers 1 and 2; B.Sc. (Econ.) Part II: *Real Variable*, II 3a (iv), 3b (iii); X 3c; XI 3d (second year).

Syllabus Measure theory and integration. The fundamental theorem of the differential and integral calculus. Mean convergence with applications.

905(a) Real Variable Second-Year Class

Professor Offord. Thirty classes, Sessional.

905(b) Real Variable Third-Year Class

Professor Offord.

906 Introduction to Topology and Axiomatic Set Theory

Dr J. L. Bell. Thirty lectures, Sessional.

For B.Sc. (Maths.) Part II, papers 1 and 2 (second year); B.Sc. (Econ.) Part II: *Introduction to Topology and Axiomatic Set Theory*, XVI 2d; M.Sc.: *Elements of Mathematical Logic*, XIII A1; *Mathematical Logic* XIII B1.

Syllabus Continuous functions. Uniform convergence. Topological spaces and function spaces.

906(a) Topology Second-Year Class

Dr J. L. Bell. Thirty classes, Sessional.

906(b) Topology Third-Year Class

Dr J. L. Bell.

907 Algebra II

This course will not be given in the session 1970–71.

907(a) Algebra II Second-Year Class

This course will not be given in the session 1970–71.

907(b) Algebra II Third-Year Class

Dr Freedman.

For B.Sc. (Maths.) Part II, paper 3 (third year).

908 Complex Variable

Dr H. I. Brown. Twenty lectures, Michaelmas and Lent Terms.

For B.Sc. (Maths.) Part II, paper 3 (second year).

Syllabus Point set topology. Functions of a complex variable. Integration along piece-wise smooth curves. Cauchy's theorem for a triangle. Bilinear and other elementary transformations. Power series. Calculus of residues. The Maximum Principle.

908(a) Complex Variable Second-Year Class

Dr H. I. Brown. Twenty classes, Sessional, beginning in the third week of the Michaelmas Term.

For B.Sc. (Maths.) Part II, paper 3 (second year).

908(b) Complex Variable Third-Year Class

Dr H. I. Brown.

For B.Sc. (Maths.) Part II, paper 3 (third year).

909 Theory of Probability

Professor Offord. Sessional.

For B.Sc. (Maths.) Part II: paper 4 (third year).

Syllabus Boolean algebras and probability measures. Random variables, distribution and characteristic functions. Convergence of sequences of distribution functions and their application to convergence theorems for sums of independent random variables.

909(a) Theory of Probability Third-Year Class

Professor Offord.

For B.Sc. (Maths.) Part II, paper 4 (third year).

910 Functional Analysis

Professor Offord. Twenty lectures, Michaelmas and Lent Terms.

For B.Sc. (Maths.) Part II, papers 1 and 2 (third year).

910(a) Functional Analysis

Mr Hornblower.

For B.Sc. (Maths.) Part II, papers 1 and 2 (third year).

911 Algebra III

Dr Freedman. Twenty-five lectures, Sessional.

For B.Sc. (Maths.) Part II, (second and third years).

Syllabus Projective and injective modules, noetherian modules; modules over principal ideal domains with applications.

911(a) Algebra III Class

For B.Sc. (Maths.) Part II, paper 3 (third year).

912 Mathematics A

Professor Sargan and Mr Wymer.

(i) Second Year: three hours per week, Sessional.

(ii) Third Year: one hour per week, Lent Term.

For B.Sc. (Econ.) Part II: *Mathematics A*, I 2c; II 3a (i); III 3h; IV 6, 7 and 8i; V 2c; XI 3a; Dip. Stats.

Syllabus Vectors, matrices and quadratic forms. Differential calculus of one and several variables. Stationary values. Lagrange multiplier. Complex numbers. Integral calculus. Series, expansions. Difference and differential equations.

Recommended reading G. Hadley, *Linear Algebra*; D. Gale, *Theory of Linear Economic Models*; R. G. D. Allen, *Mathematical Analysis for Economists*; R. G. D. Allen, *Mathematical Economics*.

913 Mathematics B

Mr Hajnal, Mr R. A. Holmes, Dr Knott and others. Two hours a week, Sessional.

For B.Sc. (Econ.) Part II: *Mathematics B*, I 2d; II 3a(ii); 3b(i); IV 6, 7 and 8i; V 2d; X 3a; XI 3b (second year); Dip. Stats.

913(a) Mathematics B Second-Year Class

Dr Knott, Mr Hajnal, Mr R. A. Holmes and others. Thirty hours, Sessional.

913(b) Mathematics B Third-Year Revision Class

Dr Knott, Mr Hajnal, Mr R. A. Holmes and Dr Binmore. Ten hours, Lent Term.

(b) STATISTICAL THEORY AND METHOD

914 Elementary Statistical Methods

Miss Gales and Mrs Prais. Sixteen lectures, Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part I: alternative subject 8 *Methods of Social Investigation*; B.Sc. (Econ.) Part II: *Elements of Management Mathematics*, IV 3c; V 2a (second year); B.Sc. (Soc. Anth.) Part II, 3a; B.Sc. (Geog.) C 202; M.Sc.: Accounting and Finance (preliminary year); *Management Mathematics*, I 3; XXIII option m; Dip. Soc. Admin. (first year and one-year).

Syllabus The analysis and presentation of statistical data. Tables, graphs, and diagrams. Measures of average and dispersion. Calculation of various kinds of index numbers. Time-series and cross-section data. Elements of association and correlation. Basic ideas of statistical inference.

Recommended reading R. G. D. Allen, *Statistics for Economists*; A. R. Ilersic,

Statistics; A. Bradford Hill, *Principles of Medical Statistics*; J. E. Freund and F. J. Williams, *Modern Business Statistics*; W. A. Wallis and H. V. Roberts, *Statistics, A New Approach*; B. C. Brookes and W. F. L. Dick, *Introduction to Statistical Method*.

914(a) Elementary Statistical Methods Class

Mrs Prais and others. Nineteen classes, Sessional.

915 Introductory Practical Statistics

Dr Phillips. Twenty lectures, Michaelmas and Lent Terms.

For Dip. Personnel Management; Trades Union Studies course.

Recommended reading R. Langley, *Practical Statistics for Non-Mathematical People*; C. A. Moser, *Survey Methods in Social Investigation*.

916 Statistical Methods (Sociology)

Mr Gattoni. Twenty lectures, Sessional.

For B.A./B.Sc. (Soc.) Branch I, 2; Branch III, 5; B.Sc. Soc. Psych. (first year); M.Sc.: Sociology (preliminary year).

Syllabus Collection, definition and tabulation of data. Diagrammatic representation. Analysis of frequency distributions. Averages and measures of dispersion. Index numbers. The elementary theory of regression and correlation. Background of sampling theory. Calculation of sampling errors. The design of samples. The application of statistical methods to sociological problems.

Recommended reading A. R. Ilersic, *Statistics*; W. A. Wallis and H. V. Roberts, *Statistics, A New Approach*; J. E. Freund and F. J. Williams, *Modern Business Statistics*; H. Zeisel, *Say it with Figures*; L. G. Gotkin and L. S. Goldstein, *Descriptive Statistics*; S. M. Dornbusch and C. F. Schmid, *A Primer in Social Statistics*; M. W. Tate, *Statistics in Education and Psychology*; G. Kalton, *Introduction to Statistical Ideas*; H. M. Blalock, *Social Statistics*.

916(a) Statistical Methods (Sociology) Class

Mr Gattoni and others. Twenty-three classes, Sessional.

For B.A./B.Sc. (Soc.) Branch I, 2; Branch III, 5 (first year); Branch II, 10c (second year); M.Sc.: Sociology (preliminary year).

916(b) Statistical Methods (Sociology) Class

(i) Mr Kalton. Ten hours, Lent Term.

For B.A./B.Sc. (Soc.) Branch III, 5 (third year).

(ii) Miss Gales and others. Ten hours, Michaelmas Term.

For B.A./B.Sc. (Soc.) Branch I, 2 (second year); Branch II, 10c (third year).

917 Elementary Statistical Theory I
Dr Wallis. Twenty-five lectures, Sessional.

Whole course for B.Sc. (Econ.) Part I: alternative subject 2 *Elementary Statistical Theory*; B.Sc. (Maths.) Part I, 5a; B.Sc. (Geog.) C 201. **Michaelmas and Lent Terms only for B.Sc. (Econ.) Part II:** *Elements of Statistical Theory and Methods*, I 3e; II 5a; IV 3a; V 2e; XI 5, 6 and 7f; XVI 3c (second year).

Syllabus Descriptive statistics. Probability and distribution theory. Sampling. Estimation and tests of hypotheses. Statistical relationship. Time series.

Recommended reading INTRODUCTORY:

P. G. Hoel, *Elementary Statistics*. GENERAL: J. E. Freund, *Modern Elementary Statistics*; T. Yamane, *Statistics: An Introductory Analysis*; R. E. Walpole, *Introduction to Statistics*. Further references will be given during the course.

917(a) Elementary Statistical Theory I Class

Dr Wallis and others. Twenty-three classes, Sessional, beginning in the third week of the Michaelmas Term.

918 Elementary Statistical Theory II

Dr Hendry. Ten lectures, Summer Term.

For B.Sc. (Econ.) Part II: *Elements of Statistical Theory and Methods*, I 3e; II 5a; IV 3a; V 2e; XI 5, 6 and 7f; XVI 3c; *Econometrics*, II 8a; *Econometric Theory*, II 7b; X 7 and 8d (second year).

Syllabus Theory of the general linear regression model. Partial and multiple correlations. A familiarity with matrix algebra will be assumed.

Recommended reading J. Johnston, *Econometric Methods*, chaps. 1-4.

919 Elements of Statistical Theory and Methods Revision Class

Lecturer to be announced. Eight classes, Lent Term, beginning in the third week.

For B.Sc. (Econ.) Part II: *Elements of Statistical Theory and Methods*, I 3e; II 5a; IV 3a; V 2e; XI 5, 6 and 7f; XVI 3c (third year).

920 Introduction to Probability

Mr Hajnal. Twelve lectures and five classes, Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II: *Statistical Theory*, II 5b; *Probability, Distribution and Sampling Theory*, X 4; XI 5, 6 and 7d; B.Sc. (Maths.) Part II, 5, 6, 7 and 8a (second year); M.Sc.: *Foundations of Probability and Statistics*, XIII A5, B5.

Syllabus Discrete sample spaces. Definitions and rules of probability. Conditional probability. Independence. Random variables. Frequency-generating functions. Bernoulli trials. Binomial, Negative Binomial, Poisson distributions. Recurrent events. Random walks. Markov chains.

Recommended reading W. Feller, *An Introduction to Probability Theory and its Applications* (Vol. I).

921 Theory of Statistical Distributions

Professor Stuart and others.
Eighteen lectures and five classes.
Lent and Summer Terms.

For B.Sc. (Econ.) Part II: *Statistical Theory*, II 5b; *Probability Distribution and Sampling Theory*, X 4, XI 5, 6 and 7d; B.Sc. (Maths.) Part II, 5, 6, 7 and 8a (second year); M.Sc.: *Foundations of Probability and Statistics*, XIII A5, B5.

Syllabus Distribution and frequency functions. Moments, cumulants, and their generating functions. Characteristic functions. Distributions of sums. Weak law of large numbers and Central Limit theorem. Change of variables technique. Linear (including orthogonal) transformations. Ratios of random variables. Bivariate and multivariate generalisations. Independence. Order-statistics and functions of them. Distributions associated with the normal, including F, χ^2 , t and the bivariate normal. Standard errors.

Recommended reading A. M. Mood and F. A. Graybill, *Introduction to the Theory of Statistics*; M. G. Kendall and A. Stuart, *The Advanced Theory of Statistics*, Vol. I.

922 Statistical Methods and Theory (Second Year)

Dr Scott. Twenty lectures, Lent and Summer Terms.

For B.Sc. (Econ.) Part II: *Theory of Statistical Methods*, X 5; B.Sc. (Maths.) Part II, 5, 6, 7 and 8b (second year).

Syllabus Applications and theory of the normal distribution, statistical tests and procedures, least squares, analysis of variance and covariance, regression and correlation analysis.

Recommended reading N. R. Draper and H. Smith, *Applied Regression Analysis*; M. G. Kendall and A. Stuart, *The Advanced Theory of Statistics*, Vol. II; D. A. S. Fraser, *Statistics: An Introduction*.

922(a) Statistical Methods and Theory Practical Class (Second Year)

Dr Scott. Ten classes, alternate weeks, Lent and Summer Terms.

923 Statistical Methods and Theory (Third Year)

Dr Knott. Fifteen lectures, Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II: *Theory of Statistical Methods*, X 5; B.Sc. (Maths.) Part II, 5, 6, 7 and 8b (third year).

Syllabus Further analysis of variance and experimental design. Non-parametric methods.

Recommended reading D. A. S. Fraser, *Statistics: An Introduction*; M. G. Kendall and A. Stuart, *The Advanced Theory of Statistics*, Vols. II and III; W. G. Cochran and G. M. Cox, *Experimental Designs*; H. Scheffé, *The Analysis of Variance*; K. A. Brownlee, *Statistical Theory and Methodology in Science and Engineering*.

923(a) Statistical Methods and Theory (Third Year) Class

Dr Knott. Five classes, Lent Term.

924 Sample Survey Theory

Mr Kalton. Ten lectures, Michaelmas Term.

For Dip. Stats.; B.Sc. (Econ.) Part II: *Social Statistics and Survey Methodology*, X 7 and 8c; XI 5, 6 and 7e; *Theory of Statistical Methods*, X 5; B.Sc. (Maths.) Part II, 5, 6, 7 and 8b and i (third year). Optional for M.Sc.: *Survey Theory and Methods*, XXII 7.

Further treatment of sample survey theory is provided in Course No. 964.

Syllabus Simple random sampling; stratification; multi-stage sampling. Optimum allocation for given cost function. Selection with unequal probabilities.

Recommended reading W. G. Cochran, *Sampling Techniques*; L. Kish, *Survey Sampling*; M. H. Hansen, W. N. Hurwitz and W. G. Madow, *Sample Survey Methods and Theory*; F. Yates, *Sampling Methods for Censuses and Surveys*; A. Stuart, *Basic Ideas of Scientific Sampling*; M. R. Sampford, *An Introduction to Sampling Theory*.

925 Estimation and Tests

Professor Stuart. Fifteen lectures and five classes, Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II: *Probability, Distribution and Sampling Theory*, X 4; XI 5, 6 and 7d; *Statistical Theory*, II 5b; B.Sc. (Maths.) Part II, 5, 6, 7 and 8a (third year); Dip. Stats.

Syllabus Criteria of estimation: consistency, unbiasedness, efficiency, sufficiency, minimum variance. Least squares. Maximum likelihood. Confidence intervals. Elementary notions of the theory of tests.

Recommended reading A. M. Mood and F. A. Graybill, *Introduction to the Theory of Statistics*; D. V. Lindley, *Introduction to Probability and Statistics from a Bayesian Viewpoint*, Vols. I and II.

926 Statistical Theory Problems Class

Professor Stuart. Thirteen classes, Lent and Summer Terms.

For B.Sc. (Econ.) Part II: *Statistical Theory*, II 5b; *Probability, Distribution and Sampling Theory*, X 4; XI 5, 6 and 7d; *Theory of Statistical Methods*, X 5; B.Sc. (Maths.) Part II, 5, 6, 7 and 8a (third year).

(c) APPLIED STATISTICS

928 Introduction to Statistical Sources

Professor Sir Roy Allen. Ten lectures, Michaelmas and Lent Terms, beginning in the sixth week of the Michaelmas Term.

Note Further treatment of statistical sources and applications is provided in Course No. 931.

For B.Sc. (Econ.) Part II (second year): *Economic Statistics*, I 6a; II 7a; III 8c; IV 3b; VI 8h; XV 5 and 6b; Dip. Stats. Recommended for M.Sc.: Economic History; B.Sc. (Econ.) Part II: special subject Accounting and Finance (second year).

Syllabus The main sources of statistics of population, manpower, production, consumption, prices, trade, national income. The nature and limitations of these statistics: their use in illustrating recent economic movements. Index numbers in practice. The elements of the technique of social surveys.

Recommended reading E. Devons, *An Introduction to British Economic Statistics*; M. G. Kendall (Ed.), *The Sources and Nature of the Statistics of the United Kingdom*; C. A. Moser, *Survey Methods in Social Investigation*; U.K. Central Statistical Office, *New Contributions to Economic Statistics*; *Monthly Digest of Statistics*; and other official publications; U.K. Interdepartmental Committee on Social and Economic Research, *Guides to Official Sources*, No. 1, *Labour Statistics*; No. 2, *Census Reports of Great Britain, 1801-1931*; No. 4, *Agricultural and Food Statistics*; No. 6, *Census of Production Reports*; *London and Cambridge Economic Bulletin*; *National Institute Economic Review*.

929(a) Economic Statistics

Professor Sir Roy Allen, Professor Maunder and others. Fifteen classes, Lent and Summer Terms, beginning in the sixth week of the Lent Term.

For B.Sc. (Econ.) Part II: *Economic Statistics*, I 6a; II 7a; III 8c; IV 3b; VI 8h; XV 5 and 6b (second year); Dip. Stats. The classes will be divided into several groups, some mainly non-mathematical, others more mathematical.

Syllabus Simple methods of handling economic data; applications of measures of average, dispersion and association and of time series and index numbers. The topics will include manpower and employment, earnings and the cost of living, production and sales, domestic and international trade, national income and the balance of payments.

All students are expected to have attended Course No. 928.

Recommended reading R. G. D. Allen, *Statistics for Economists*; C. A. Blyth, *The Use of Economic Statistics*; E. Devons,

An Introduction to British Economic Statistics; A. R. Hiersic, *Statistics*; R. J. Nicholson, *Economic Statistics and Economic Problems*; and the main U.K. official statistical publications.

929(b) Economic Statistics Revision Class

Professor Sir Roy Allen and others. Six classes, Lent Term, beginning in the fifth week.

For B.Sc. (Econ.) Part II: *Economic Statistics*, I 6; II 7a; III 8c; IV 3b; VI 8h; XV 5 and 6b (third year). These classes supplement Course No. 929a.

930 National Income

Professor Maunder. Ten lectures, Michaelmas Term.

For B.Sc. (Econ.) Part II: *Economic Statistics*, I 6a; II 7a; III 8c; IV 3b; VI 8h; XV 5 and 6b (second year); Dip. Stats.

Syllabus The conceptual framework of national accounting. The definition and measurement of the national income and product. A general review of methods of estimation and the reliability of national accounting aggregates.

Recommended reading W. Beckerman, *An Introduction to National Income Analysis*; J. R. N. Stone and G. Stone, *National Income and Expenditure*; J. R. N. Stone and G. Croft-Murray, *Social Accounting and Economic Models*; G. Stuvell, *Systems of Social Accounts*; H. C. Edey and A. T. Peacock, *National Income and Social Accounting*; R. Marris, *Economic Arithmetic*; U.K. Central Statistical Office, *National Income and Expenditure* (H.M.S.O., annual); U.K. Central Statistical Office, *National Accounts Statistics: Sources and Methods* (H.M.S.O., 1968); United Nations, *A System of National Accounts and Supporting Tables* (revised 1968). Further reading will be recommended during the course.

931 International Trade and the Balance of Payments

Professor Sir Roy Allen. Five lectures, Summer Term.

For B.Sc. (Econ.) Part II: *Economic*

Statistics, I 6; II 7a; III 8c; IV 3b; VI 8h; XV 5 and 6b (second year); Dip. Stats.

Syllabus International trade in goods and services, international lending and international transfers. The importance of international trade to the United Kingdom and the relation of the balance of payments to the national income accounts. Terms of trade, indices of prices and volume of trade.

Recommended reading will be given during the course.

932(a) Applied Statistical Methods Practical Class (Second Year)

Dr Knott and others. Ten classes, alternate weeks, Lent and Summer Terms.

For B.Sc. (Econ.) Part II: *Applied Statistical Methods*, X 6.

932(b) Applied Statistical Methods Practical Class (Third Year)

Dr Knott and others. Five classes, alternate weeks, Michaelmas Term.

For B.Sc. (Econ.) Part II: *Applied Statistical Methods*, X 6.

933 Survey Methods in Social Investigation

Dr Phillips. Ten lectures, Lent Term.

For B.A./B.Sc. (Soc.) Branch I, 2 (second year); Branch II, 10c (third year); Branch III, 5 (first year); B.Sc. (Econ.) Part I: alternative subject 8 *Methods of Social Investigation*; Dip. Soc. Admin. (second and one-year); B.Sc. (Soc. Anth.) Part II, 3a; B.Sc. (Geog.) C 202; M.Sc.: *Methods of Sociological Study*, XIX 2 (preliminary year); Dip. Development Admin. Recommended for graduate students.

Syllabus The nature and evolution of social investigations. Contemporary survey work. Surveys of environment, behaviour and opinions. The planning of surveys. Background of sampling theory. Sample design and sampling techniques. Non-sampling errors and bias. Methods of

collecting the data: documents, observation, mail questionnaires, interviewing. Questionnaire design. The processing, analysis and interpretation of data.

Recommended reading F. Yates, *Sampling Methods for Censuses and Surveys*; B. S. Rowntree, *Poverty and Progress*; *New Survey of London Life and Labour*; F. Mosteller (Ed.), *The Pre-Election Polls of 1948*; M. A. Abrams, *Social Surveys and Social Action*; P. Gray and T. Corlett, "Sampling for the Social Survey" (*Journal of the Royal Statistical Society*, 1950); C. Sellitz and others, *Research Methods in Social Relations*; L. Festinger and D. Katz (Eds.), *Research Methods in the Behavioural Sciences*; H. H. Hyman and others, *Interviewing in Social Research*; H. H. Hyman, *Survey Design and Analysis*; C. A. Moser, *Survey Methods in Social Investigation*; F. Edwards (Ed.), *Readings in Market Research*; A. Bradford Hill, *Statistical Methods in Clinical and Preventive Medicine*.

933(a) Survey Methods in Social Investigation Class

Dr Phillips and others. Five classes, Lent Term, beginning in the sixth week.

For B.Sc. (Econ.) Part I: alternative subject 8 *Methods of Social Investigation*; B.Sc. (Geog.) C 202; B.Sc. (Soc. Anth.) Part II, 3a.

933(b) Survey Methods Class

Miss Sainsbury. Fifteen hours, Lent and Summer Terms.

For B.A./B.Sc. (Soc.) Branch III (second year).

933(c) Survey Design and Analysis Class

Mr Gattoni. Ten hours, Michaelmas Term.

For M.Sc.: *Political Sociology*.

934 Social Statistics and Survey Methodology (Second Year)

Dr Phillips. Five lectures, Summer Term.

For B.Sc. (Econ.) Part II: *Social Statistics*

and Survey Methodology, X 7 and 8c; XI 5, 6 and 7e; B.Sc. (Maths.) Part II: 5-8i; (second year).

935 Social Statistics and Survey Methodology (Third Year)

Miss Gales and others. Fifty hours, Sessional.

For B.Sc. (Econ.) Part II: *Social Statistics and Survey Methodology*, X 7 and 8c; XI 5, 6 and 7e; B.Sc. (Maths.) Part II: 5-8 i (third year); Dip. Stats.

936 Compound Interest

Mr Carrier. Five lectures, Michaelmas Term.

For B.Sc. (Econ.) Part II: *Actuarial Statistics*, X 7 and 8 a; *Accounting: Management and Economic Aspects*, I 3b; II 5d; III 3b; IV 6, 7 and 8h; *Accounting and Finance*, V 6, 7 and 8 (second year); M.Sc.: *Economic Aspects of Accounting*, I 1 and 2; IV 4(xv); XXIII A1 and 2; *Management Accounting*, XII 3(iv); XXIII option 1.

Syllabus An introduction to the annuity certain, valuation of redeemable securities, sinking funds; the determination of interest rates in given transactions and continuous growth.

Recommended reading D. W. A. Donald, *Compound Interest and Annuities Certain*; W. L. Hart, *Mathematics of Investment*.

937(i) Actuarial Statistics I

Mr Dyson. Twenty hours, Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II: *Actuarial Statistics*, X 7 and 8a (second year).

Syllabus Further compound interest. Exposed to risk formulae and the construction of life tables. Theory of multiple decrements. Construction of select mortality and multiple decrement tables.

Recommended reading A. M. Pollard, *An Introduction to the Mathematics of Finance*; D. W. A. Donald, *Compound Interest and Annuities Certain*; B. Benjamin and H. W. Haycocks, *The Analysis of Mortality and Other Actuarial Statistics*.

937(ii) Actuarial Statistics II

Mr Dyson. Ten hours, Lent Term.

For B.Sc. (Econ.) Part II: *Actuarial Statistics*, X 7 and 8a (third year).

Syllabus Comparison of mortality and other experiences; graduation; English life and other standard mortality tables. Students will be expected to have attended Course No. 937(i).

Recommended reading P. F. Hooker and L. H. Longley-Cook, *Life and Other Contingencies*, Vol. II; B. Benjamin and H. W. Haycocks, *The Analysis of Mortality and other Actuarial Statistics*; Registrar-General's Decennial Supplement (Life Tables), 1951 and 1961; Preface to the a(55) Tables for Annuitants.

937(ii)(a) Actuarial Statistics II, Classes

Five hours, Summer Term.

Optional for B.Sc. (Econ.) Part II: *Actuarial Statistics*, X 7 and 8a (third year).

(d) COMPUTING

938 Introduction to Computing (Second Year)

Lecturer to be announced.

Twenty-five lectures, Sessional, beginning in the sixth week of the Michaelmas Term.

Whole course: for B.Sc. (Econ.) Part II: *Elements of Computer Science*, XI 4; B.Sc. (Maths.) Part II, 5, 6, 7 and 8d (second year). **First ten lectures only:** for M.Sc.: *Automatic Data Processing*, XII 3(v); *Computing and Data Processing*, XXIII option a; M.Sc.: Accounting and Finance. Optional for B.Sc. (Econ.) Part II: *Accounting and Finance*, V 6, 7 and 8 (second year). This course is a continuation of Course No. 984.

Syllabus Functional description of a computer; computer configurations; representation of data. Principles of programming; instructions; decisions; loops, instruction modification. Basic machine coding applied to simple logical

and numerical examples, including use of fixed and floating point number representation. Flow charts; program organization; subroutines. Instruction formats; fixed and variable word length. Serial and random access files. Methods for file processing: searching and sorting. Symbolic programming. Automatic programming; assemblers; compilers; interpretative routines. Operating systems. Problem formulation for computer solution; the intuitive concept of an algorithm and its representations.

Recommended reading T. E. Hull, *Introduction to Computing*; R. S. Ledley, *Programming and Utilizing Digital Computers*; F. J. Gruenberger and G. Jaffray, *Problems for Computer Solution*.

938(a) Introduction to Computing, Second-Year Class

Lecturer to be announced. Twenty classes, Lent and Summer Terms.

939 Introduction to Computing (Third Year)

Professor Douglas. Ten lectures, Lent Term.

For B.Sc. (Econ.) Part II: *Elements of Computer Science*, XI 4; B.Sc. (Maths.) Part II, 5, 6, 7 and 8d (third year).

940 Fortran IV

Miss S. A. Brown. Ten lectures, Michaelmas Term.

For B.Sc. (Econ.) Part II: *Elements of Computer Science*, XI 4; *Numerical Methods and Programming*, X 7 and 8f; XI 5, 6 and 7c; *Applied Statistical Methods*, X 6; B.Sc. (Maths.) Part II: 5, 6, 7 and 8c and d (second year).

Syllabus The syntax of the Fortran IV programming language.

Recommended reading R. S. Ledley, *Fortran IV Programming*; D. D. McCracken, *A Guide to Fortran IV Programming*.

940(a) Fortran IV Class

Miss S. A. Brown. Ten classes, Michaelmas Term.

941 Computing Practical Class

Lecturer to be announced. Thirty classes, Sessional.

For B.Sc. (Econ.) Part II: special subject Computing (second and third years).

942(i) General Computing, Second Year

Lecturer to be announced. Ten classes, Summer Term.

For B.Sc. (Econ.) Part II: *General Computing*, XI 8.

942(ii) General Computing, Third Year

Lecturer to be announced. Twenty classes, Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II: *General Computing*, XI 8.

943 Numerical Methods, Second Year

Professor Douglas. Twenty lectures, Lent and Summer Terms. For B.Sc. (Econ.) Part II: *Numerical Methods and Programming*, X 7 and 8f; XI 5, 6 and 7c; B.Sc. (Maths.) Part II, 5, 6, and 7 and 8c (second year).

Syllabus An introduction to the use of digital computers in the solution of numerical problems. Fixed and floating point storage and arithmetic. Error analysis. Algorithms for approximation, interpolation, numerical differentiation and integration, solution of differential equations.

Evaluations of functions. Solution of non-linear equations. Numerical methods in linear algebra. Random number generation and Monte Carlo methods.

Note It will be assumed that students have attended Course No. 940.

Recommended reading S. D. Conte, *Elementary Numerical Analysis*; J. M. Hammersley and D. C. Handscomb, *Monte Carlo Methods*; T. H. Naylor *et al.*, *Computer Simulation Techniques*.

943(a) Numerical Methods, Second-Year Class

Lecturer to be announced. Ten classes, Summer Term.

944 Numerical Methods, Third Year

Professor Douglas. Twenty lectures, Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II: *Numerical Methods and Programming*, X 7 and 8f; XI 5, 6 and 7c; B.Sc. (Maths.) Part II, 5, 6, 7 and 8c (third year).

Syllabus See Course No. 943.

944(a) Numerical Methods, Third-Year Class

Lecturer to be announced. Twenty classes, Michaelmas and Lent Terms.

945(a) Data Processing Methods Class

Mr F. F. Land. Five classes, Lent Term.

For B.Sc. (Econ.) Part II; *Management Data Processing*, XI 5, 6 and 7a; B.Sc. (Maths.) Part II, 5, 6, 7 and 8e (third year).

This class is held in conjunction with Course No. 986.

945(b) Computer Systems Design Class

Mr Waters. Five classes, Michaelmas Term.

For B.Sc. (Econ.) Part II; *Management Data Processing*, XI 5, 6 and 7a; B.Sc. (Maths.) Part II, 5, 6, 7 and 8e (third year).

This class is held in conjunction with Course No. 987.

(e) OPERATIONAL RESEARCH

946 Elements of Management Mathematics

Mr Rosenhead and Mr Appa. Twenty lectures, Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II: *Elements of Management Mathematics*, IV 3c; V 2a (second year); M.Sc.: *Management Mathematics*, I 3; XXIII option m; Dip. Personnel Management.

Syllabus An introduction to mathematical techniques applied to problems of decision-making in business and industry. Topics treated will include: vectors and matrices, linear programming, game theory, critical path analysis, set theory, probability, decision trees, dynamic programming, Markov chains, replacement theory, stock control.

Recommended reading J. G. Kemeny, A. Schleifer, J. L. Snell and G. L. Thompson, *Finite Mathematics with Business Applications*; M. Sasieni, A. Yaspan and L. Friedman, *Operations Research*.

946(a) Elements of Management Mathematics Class

Lecturers to be announced. Twenty classes, Michaelmas and Lent Terms.

947 Introduction to Operational Research Techniques

Mr Rosenhead. Nine lectures, Summer Term.

For B.Sc. (Econ.) Part II: *General Computing*, XI 8; *Management Mathematics*, II 5c; V 2h; X 7 and 8g; XI 5, 6 and 7b (second year); Dip. Stats.

Syllabus An introduction to mathematical techniques applied to problems of decision-making in business and government. Topics treated will include: decision trees, critical path analysis, scheduling, Markov chains, games theory, computer simulation.

Recommended reading J. G. Kemeny, A. Schleifer, J. L. Snell and G. L. Thompson, *Finite Mathematics with Business Applications*; M. Sasieni, A. Yaspan and L. Friedman, *Operations Research*; A. S. Manne, *Economic Analysis for Business Decisions*.

947(a) Introduction to Operational Research Techniques Class

Lecturers to be announced. Eight classes, Summer Term.

948 Operational Research Techniques

Mr Rosenhead. Fifteen lectures, Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II: *Management Mathematics*, II 5c; V 2h; X 7 and 8g; XI 5, 6 and 7b; B.Sc. (Maths.) Part II: option for papers 5-8 (third year); Dip. Stats.; M.Sc.: *Elements of Operational Research*, XXIII option f.

Syllabus Replacement theory. Inventory control. Queueing theory. Dynamic programming.

Recommended reading M. Sasieni, A. Yaspan and L. Friedman, *Operations Research*; R. L. Ackoff and M. Sasieni, *Fundamentals of Operations Research*; D. R. Cox, *Renewal Theory*; D. R. Cox and W. L. Smith, *Queues*; R. E. Bellman and S. E. Dreyfus, *Applied Dynamic Programming*.

948(a) Operational Research Techniques, Third-Year Class

Lecturer to be announced. Fifteen classes, Michaelmas and Lent Terms.

949 Mathematical Programming

Mr Appa. Fifteen lectures, Michaelmas and Lent Terms.

Whole course for B.Sc. (Econ.) Part II: *Management Mathematics*, II 5c; V 2h; X 7 and 8g; XI 5, 6, and 7b; B.Sc. (Maths.) Part II: option for papers 5-8 (third year); Dip. Stats.; M.Sc.: *Elements of Operational Research*, XXIII option f.

First ten lectures optional for B.Sc. (Econ.) Part II: *Economics treated Mathematically*, I 8d; II 2a; IV 6, 7 and 8d; V 2f; X 1 and 2b (i); XI 2d (third year).

Syllabus The first ten lectures of this course are intended to acquaint students with the formulation of linear programming problems and the properties of their solutions, and to draw attention to their relationship to economic theory. The remaining five lectures (for Management Mathematics students) will be concerned with techniques of solution and formulation of special problems. A familiarity with simple matrix algebra will be assumed.

Recommended reading G. Hadley, *Linear Programming*; S. Vajda, *Readings in Linear Programming; An Introduction to Linear Programming and the Theory of Games*; R. Dorfman, P. A. Samuelson and R. M. Solow, *Linear Programming Economic Analysis*; K. E. Boulding and W. A. Spivey, *Linear Programming and the Theory of the Firm*.

949(a) Mathematical Programming Class

Mr Appa and others. Fifteen classes, Michaelmas and Lent Terms.

(f) GRADUATE COURSES (STATISTICS)

950 Advanced Probability

Mr Hajnal. Twenty lectures, Michaelmas and Lent Terms.

For M.Sc.: *Probability, Stochastic Processes and Distribution Theory*, XXII 1.

951 Stochastic Processes I

Mr Hajnal. Twelve lectures, Michaelmas and Lent Terms.

For M.Sc.: *Probability, Stochastic Processes and Distribution Theory*, XXII 1; *Stochastic Processes and Applications*, XII 1; XXIII C1, D3(i); *Selected Techniques and Model Building*, XXII 4.

Syllabus Markov chains with finite

number of states in discrete and continuous time. Poisson process. Queues.

951(a) Stochastic Processes I Class

Mr Hajnal and others. Twelve classes, Michaelmas and Lent Terms.

952 Stochastic Processes II

Mr Hajnal. Eight lectures, Lent Term.

For M.Sc.: *Probability, Stochastic Processes and Distribution Theory*, XXII 1.

952(a) Stochastic Processes II Class

Mr Hajnal. Five classes, Lent Term.

953 Introduction to Sets and Metric Spaces: Theory

Mr Foldes. Twenty lectures of one-and-a-half hours, Michaelmas Term.

For M.Sc.: *Theory of Optimal Decisions*, IV 4(v). **First three weeks only:** for M.Sc.: *Advanced Mathematical Economics I and II*, V 2(v) and (vi).

Syllabus Elementary properties of sets, relations and functions. Equivalence and ordering relations. Cardinal numbers. Metrics, open and closed sets, limits, continuity. Compact and connected sets in metric spaces. Linear and affine spaces, subspaces and functions. Inner products and norms. Convex sets. Separating hyperplanes. Simplexes. Fixed points.

Recommended reading Basic reading: On sets and relations: R. R. Stoll, *Sets, Logic and Axiomatic Theories*, chap. 1, or P. R. Halmos, *Naive Set Theory*. On metric spaces: the relevant sections of A. N. Kolmogorov and S. V. Fomin, *Elements of the Theory of Functions and Functional Analysis*, Vol. I, or K. Kuratowski, *Introduction to Set Theory and Topology*, or S. T. Hu, *Introduction to General Topology*. On vector spaces: D. Gale, *The Theory of Linear Economic Models*, chap. 2, or relevant sections of P. R. Halmos, *Finite Dimensional Vector Spaces*.

FURTHER REFERENCES: W. Fenchel, *Convex Cones, Sets and Functions*, esp. chap. 2,

S. 6; L. S. Pontriagin, *Outlines of Combinatorial Topology*, S. 1-10; J. Dieudonné, *Foundations of Modern Analysis*.

954 Mathematics for Mathematical Economics

Professor Sargan. Ten lectures, Lent Term.

For M.Sc.: *Advanced Mathematical Economics II*, V 2(vi).

Syllabus Kuhn-Tucker theorem, properties of non-negative matrices, stability of difference and differential equations systems, Lyapoumov functions.

Recommended reading H. W. Kuhn and A. W. Tucker, *Second Berkeley Symposium on Mathematical Statistics and Probability*; F. R. Gantmacher, *Applications of the Theory of Matrices*; K. Lancaster, *Mathematical Economics*; J. Bram and T. L. Saaty, *Non-Linear Mathematics*.

955 Further Distribution Theory

Professor Stuart. Ten lectures, Lent Term.

For M.Sc.: *Probability, Stochastic Processes and Distribution Theory*, XXII 1.

Syllabus Distribution theory of quadratic forms in normally distributed random variables. Selected topics in the theory of order statistics. Non-central χ^2 and F distributions.

Recommended reading M. G. Kendall and A. Stuart, *The Advanced Theory of Statistics*; H. Cramér, *Mathematical Methods of Statistics*; M. Fisz, *Probability Theory and Mathematical Statistics*.

956 Statistical Inference

Dr Knott. Twenty-five lectures, Sessional.

For M.Sc.: *Statistical Methodology and Inference*, XXII 2.

Syllabus Estimation theory. Unbiasedness, minimum variance, sufficiency, completeness, maximum likelihood. The theory of testing hypotheses. Confidence intervals. Inference for linear models. Decision theory. Bayesian methods. Likelihood. Tests of fit. Distribution-free methods. Sequential methods.

Recommended reading M. G. Kendall and A. Stuart, *The Advanced Theory of Statistics*, Vols. II and III; H. Cramér, *Mathematical Methods of Statistics*; S. S. Wilks, *Mathematical Statistics*; E. L. Lehmann, *Testing Statistical Hypotheses*. D. V. Lindley, *Introduction to Probability and Statistics*; C. R. Rao, *Linear Statistical Inference and its Applications*.

956(a) Statistical Inference Class

Dr Knott. Ten classes, Sessional.

957 Multivariate Analysis

Dr Kendall. Ten lectures of two hours, Lent Term.

For M.Sc.: *Statistical Methodology and Inference*, XXII 2; *Design and Analysis of Statistical Investigation*, XII 3(ii); XXII 3; XXIII option c.

Syllabus Multiple regression analysis. Component analysis. Discriminant analysis. Canonical analysis. Multivariate analysis of variance. Factor analysis. Applications of these techniques.

Recommended reading T. W. Anderson, *Introduction to Multivariate Statistical Analysis*; C. R. Rao, *Linear Statistical Inference and Its Applications*; D. F. Morrison, *Multivariate Statistical Methods*; W. W. Cooley and P. R. Lohnes, *Multivariate Procedures for the Behavioural Sciences*.

958 Ranking and Other Distribution Free Methods

Professor Stuart. Fifteen lectures, Michaelmas and Lent Terms.

For M.Sc.: *Design and Analysis of Statistical Investigation*, XII 3(ii); XXII 3; XXIII option c.

Syllabus The rationale and efficiency of ranking and other distribution-free methods. Tests of independence, tests of randomness and rank correlation coefficients. Normal scores tests. Two-sample and k -sample tests. Sign tests. Intervals for population percentiles. Tolerance intervals for a distribution. Tests of fit. Confidence intervals for an unknown distribution function.

Recommended reading M. G. Kendall and A. Stuart, *The Advanced Theory of Statistics*, Vol. II (chaps. 30, 31 and 32); M. G. Kendall, *Rank Correlation Methods*; S. Siegel, *Non-parametric Statistics for the Behavioural Sciences*.

959 Selected Techniques of Quantitative Analysis

Mr Gattoni and others. Twelve lectures and six classes, Michaelmas and Lent Terms.

For M.Sc.: *Selected Techniques and Model Building*, XXII 4.

Syllabus Analytic techniques, e.g. single and double decrement tables and their applications; standardisation and index numbers; relative risks. Seasonal adjustments.

960 Model Building

Dr Phillips. Twelve lectures and six classes, Lent and Summer Terms.

For M.Sc.: *Selected Techniques and Model Building*, XXII 4.

Syllabus Model building, theory, applications and evaluation of policy implications, decision-making. Input-output and flow models; simulation techniques. Data storage and retrieval; record linkage.

961 Causal Analysis

Mr Kalton. Twelve hours, Lent and Summer Terms, beginning in the third week of the Lent Term.

For M.Sc.: *Selected Techniques and Model Building*, XXII 4.

Syllabus Causal analysis, including recursive systems, path coefficients, cross-lagged correlations. Effects of measurement error.

962 Introduction to the Theory of Reliability and Validity

Mr Kalton. Five lectures, Summer Term.

For M.Sc.: *Selected Techniques and Model Building*, XXII 4.

963 Applied Problems in Statistics (Seminar)

Dr Phillips and Mr Kalton. Ten meetings of one-and-a-half hours, fortnightly, Michaelmas and Lent Terms.

For M.Sc.: *Selected Techniques and Model Building*, XXII 4.

964 Further Sample Survey Theory and Methods

Mr Kalton. Twenty lectures, Sessional, beginning in the fourth week of the Michaelmas Term.

Note This course presupposes attendance at Course No. 924.

For M.Sc.: *Survey Theory and Methods*, XXII 7.

Syllabus Stratification, controlled selection. Multistage sampling. Area sampling. Multiphase sampling. Selection with unequal probabilities. Ratio and regression estimates. Domains of study. Panel studies. Nonsampling errors.

Recommended reading L. Kish, *Survey Sampling*; W. G. Cochran, *Sampling Techniques* (2nd edn.); M. G. Kendall and A. Stuart, *The Advanced Theory of Statistics*, Vol. 3 (chaps. 39 and 40); W. E. Deming, *Sample Design in Business Research*; F. Yates, *Sampling Methods for Censuses and Surveys*; M. H. Hansen, W. N. Hurwitz and W. G. Madow, *Sample Survey Methods and Theory*; D. Raj, *Sampling Theory*; P. V. Sukhatme, *Sampling Theory of Surveys with Applications*.

964(a) Further Sample Survey Theory and Methods Class

Mr Kalton. Eight classes, Lent and Summer Terms.

965 Survey Design, Execution and Analysis

Miss Gales and Mr Kalton. Twenty-two classes of two hours each, Sessional.

For M.Sc.: *Survey Theory and Methods*, XXII 7.

966 Design and Analysis of Experiments

Dr Knott. Twenty lectures, Michaelmas and Lent Terms.

For M.Sc.: *Design and Analysis of Statistical Investigation*, XII 3(ii); XXII 3; XXIII option c.

Syllabus Principles of experimental design. Randomised blocks. Latin squares. Incomplete blocks. Paired comparisons. Factorial designs. Confounding. Fractional replication. Analysis and interpretation of experimental results. Experimental complications and special analyses.

Recommended reading R. A. Fisher, *The Design of Experiments*; W. G. Cochran and G. M. Cox, *Experimental Designs*; O. L. Davies and others, *The Design and Analysis of Industrial Experiments*; H. Scheffé, *The Analysis of Variance*; D. R. Cox, *The Planning of Experiments*; O. Kempthorne, *The Design and Analysis of Experiments*.

966(a) Design and Analysis of Experiments Class

Dr Knott. Five classes, Summer Term.

967 Basic Time-Series Analysis

Dr Wallis. Two hours per week, Michaelmas Term.

For M.Sc.: *Statistical Methodology and Inference*, XXII 2; *Econometric Theory I*, V 2(iii); XII 3(vi); XXII 5; XXIII option d.

Syllabus Basic structure of time series. Stationarity. Autocorrelation. Periodogram and spectrum. Linear models. Elementary treatment of model-fitting in time-series analysis. Effects of autocorrelation on regression analysis. Tests of serial independence.

Recommended reading M. G. Kendall and A. Stuart, *The Advanced Theory of Statistics*, Vol. III; E. J. Hannan, *Time Series Analysis*; C. W. J. Granger and M. Hatanaka, *Spectral Analysis of Economic Time Series*; E. Malinvaud, *Statistical Methods of Econometrics*; A. M. Yaglom, *An Introduction to the Theory of Stationary*

Random Functions; G. S. Fishman, *Spectral Methods in Econometrics*.

968 Further Time-Series Analysis

Dr Wallis. Two hours per week, Lent Term.

Optional for M.Sc.: *Econometric Theory I*, V 2(iii); XII 3(vi); XXII 5; XXIII option d; *Statistical Methodology and Inference*, XXII 2.

Syllabus Properties of Fourier transforms. Estimation of spectrum. Cross-spectral methods. Linear time invariant relations between series.

Recommended reading as for Course No. 967.

969 Prediction and Control by Least Squares Methods

Dr Hendry and Mr Tymes. Ten lectures, Lent Term.

For M.Sc.: *Econometric Theory II*, V 2(iv). Optional for M.Sc.: *Econometric Theory I*, XII 3(vi); XXII 5; XXIII option d; *Statistical Methodology and Inference*, XXII 2.

Recommended reading P. Whittle, *Prediction and Regulation by Linear Least-Square Methods*; H. Theil, *Optimal Decision Rules for Government and Industry*; C. C. Holt, F. Modigliani, J. F. Muth and A. A. Simon, *Planning Production, Inventory and Work Force*.

970 Statistical Aspects of Educational Planning

Mr G. L. Williams and Dr Phillips. Fifteen lectures, Michaelmas and Lent Terms.

For M.Sc.: *Educational Statistics*, XXII 8; Dip. Stats. Optional for M.Sc.: *Economics of Education and Human Capital*, IV 4(xix). Recommended for M.Sc.: *Educational Administration*, XVI 2(vii); B.Sc. (Econ.) Part II: *Social Statistics and Survey Methodology*, X 7 and 8c; XI 5, 6 and 7e; B.Sc. (Maths.) Part II: 5, 6, 7 and 8i (third year).

Syllabus Criteria for establishing priorities

in planning in advanced and developing countries. Methods of forecasting the demand for education, and the demand and supply of teachers. Methods of forecasting manpower requirements. The analysis of educational expenditures. Computable models of the educational system.

Recommended reading M. Blaug, "Approaches to Educational Planning" (*The Economic Journal*, June 1967); C. A. Moser, P. R. G. Layard, "Planning the Scale of Higher Education in Britain: Some Statistical Problems" (*Journal of the Royal Statistical Society*, Series A, 4, 1964); O.E.C.D., *Mathematical Models in Educational Planning*; G. Orcutt and others, *Microanalysis of Socioeconomic Systems—A Simulation Study*, especially chaps. 1, 2, 3, 8, 9, 10, 13; H. S. Parnes, *Forecasting Educational Needs for Economic and Social Development*, chaps. 1-5; A. Peacock, J. Wiseman, S. Harris, *Financing of Education for Economic Growth*, chaps. 6 and 7; *The Robbins Report*, Appendix One, Part IV; R. Stone, "Input-Output and Demographic Accounting: A Tool for Educational Planning" (*Minerva*, Spring 1966); J. Tinbergen and others, *Econometric Models of Education: Some Applications*; U.S. Department of Health, Education and Welfare, *Equality of Educational Opportunity*; *Ninth Report of the National Advisory Council for the Training and Supply of Teachers*, especially Part I.

971 Educational Statistics

Dr Phillips. Twenty lectures and classes, Sessional.

For M.Sc.: *Educational Statistics*, XXII 8.

972 Fortran Programming

Miss S. A. Brown, Mr F. F. Land, Mr Wakeford and others. A basic course will be given four times during the session.

(a) Last week, Summer vacation.

For M.Sc.: Operational Research; Statistics; Dip. Stats.

(b) Course lasting seven to eight days. Christmas vacation.

(c) Course lasting seven to eight days. Easter vacation.

(d) Course lasting seven to eight days. Summer.

973 Statistical Analysis Practical Class

Miss S. A. Brown. Fifteen classes, Michaelmas and Lent Terms.

For M.Sc.: Statistics, *Practical Work*. Fortran computer language will be used.

(g) GRADUATE COURSES (OPERATIONAL RESEARCH)

974 Statistical Theory I

Dr Scott. Forty lectures and twenty classes, Michaelmas and Lent Terms.

For M.Sc.: *Statistical Theory*, III 3(vi); XII 3(i); XXIII option o; Dip. Stats.

Syllabus Probability and distribution theory, estimation theory, regression, analysis of variance and general linear models.

Recommended reading M. G. Kendall and A. Stuart, *The Advanced Theory of Statistics*, Vol. I; A. M. Mood and F. A. Graybill, *Introduction to the Theory of Statistics*; O. L. Davies, *Statistical Methods in Research and Production*; N. R. Draper and H. Smith, *Applied Regression Analysis*.

975 Simulation Methods

Mr M. H. J. Webb. Ten lectures, Lent Term.

For M.Sc.: Operational Research; *Systems Analysis II*, XXIII D2; *Computing and Data Processing*, XXIII option a; *Systems Analysis for Non-Specialists*, XXIII option p; B.Sc. (Econ.) Part II: *Elements of Computer Science*, XI 4; B.Sc. (Maths.) Part II, 5, 6, 7 and 8d (third year).

Syllabus Strategic problems of quantitative modelling techniques. Verification of models and their results. Types and reliability of data and relationships and

implications for the type of results expected. Technical limitations of different computational methods; problems of linear and combinatorial optimisation. Operational planning and control. Sampling, dynamic and stochastic effects. The practitioner's role.

Recommended reading will be given during the course.

976 Optimisation Techniques

Mr Wolfenden. Ten lectures, Michaelmas Term.

For M.Sc.: Operational Research.

977 Operational Research

Techniques, Graduate Course

Mr Rosenhead. Twenty lectures, Michaelmas and Lent Terms.

For M.Sc.: *Stochastic Processes and Applications*, XII 1; XXIII C1, D3(i).

Syllabus Replacement theory. Inventory control. Queueing theory. Critical path analysis. Dynamic programming.

Recommended reading R. L. Ackoff and M. Sasieni, *Fundamentals of Operations Research*; D. R. Cox, *Renewal Theory*; F. S. Hillier and G. J. Lieberman, *Introduction to Operations Research*; D. W. Jorgenson, J. J. McCall and R. Radner, *Optimal Replacement Policy*; D. R. Cox and W. L. Smith, *Queues*; E. Naddor, *Inventory Systems*; A. Battersby, *Network Analysis*; R. E. Bellman and S. E. Dreyfus, *Applied Dynamic Programming*; R. A. Howard, *Dynamic Programming and Markov Processes*.

977(a) Operational Research

Techniques, Graduate Class

Mr Rosenhead. Twenty classes, Michaelmas and Lent Terms.

978 Mathematical Programming, Graduate Course

Mr Appa and Professor Morton. Forty lectures, Michaelmas and Lent Terms.

For M.Sc.: *Mathematical Programming*,

I 4; V 2(vii); XII 2; XXII 6; XXIII C2, D3(ii).

Syllabus Basic formulations and theorems of mathematical programming: convex point sets, linear and non-linear objective functions. Basic methods of solution. Existence theorems. Special problems. Applications in operational research and economics.

Recommended reading G. Hadley, *Linear Programming*; S. Vajda, *Readings in Linear Programming*; *Mathematical Programming*; D. Gale, *The Theory of Linear Economic Models*; G. B. Dantzig, *Linear Programming and Extensions*; R. L. Graves and P. Wolfe (Eds.), *Recent Advances in Mathematical Programming*.

978(a) Mathematical Programming, Graduate Class

Mr Appa and others. Twenty classes, Michaelmas and Lent Terms.

979 Theory of Games

Professor Morton. Five lectures, Lent Term, beginning in the sixth week.

For M.Sc.: *Mathematical Programming*, I 4; V 2(vii); XII 2; XXII 6; XXIII C2, D3(ii). Recommended for graduate students.

Syllabus The principles of games theory. Zero-sum two-person games in extended and normal form. The minimax principle and its application. Variable sum games and imperfect competition.

Recommended reading R. D. Luce and H. Raiffa, *Games and Decisions*; J. C. C. McKinsey, *Introduction to the Theory of Games*; M. Shubik, *Strategy and Market Structure*; T. C. Schelling, *The Strategy of Conflict*; A. Rappoport, *Fights, Games and Debates*.

980 Economics for Operational Research

Mr Perlman. Ten lectures, Summer Term. This course will not be given in the session 1970-71.

Optional for M.Sc.: Operational Research.

Syllabus An introduction to the principles of macro-economics: the analysis of national income; the price level; employment; the balance of payments—and their application to economic policy.

Recommended reading will be given at the beginning of the course.

981 Forecasting and Exponential Smoothing

Mr J. J. Thomas. Three lectures, Summer Term.

For M.Sc.: Operational Research; *Systems Analysis II*, XXIII option a.

982 Selected Topics in Operational Research

Mr Rosenhead and others. Fifteen meetings, Michaelmas and Lent Terms, beginning in the sixth week of the Michaelmas Term.

For M.Sc.: Operational Research.

Syllabus Various speakers will present illustrations of the practical applications of operational research techniques. Intended for students having a preliminary acquaintance with the subject.

Recommended reading References to current literature will be provided during the course.

983 Tutorial Class in Operational Research

Mr Appa and Mr M. Webb. Sessional.

For M.Sc.: Operational Research.

984 Introduction to Computers: Basic Concepts

Mr F. F. Land. Five lectures, Michaelmas Term.

For B.Sc. (Econ.) Part II: *Elements of Computer Science*, XI 4; *Numerical Methods and Programming*, X 7 and 8f; XI 5, 6 and 7c; *Applied Statistical Methods* X 6; B.Sc. (Maths.) Part II: 5, 6, 7 and 8c and d (second year); M.Sc.: *Systems Analysis I*, I 5; XII 3(vii); XXIII C3(i), D1; *Automatic Data Processing*, XII

3(v); *Systems Analysis for Non-Specialists*, XXIII option p. Optional for B.Sc. (Econ.) Part II: special subject Accounting and Finance (second year).

Syllabus Input and output devices, central processing unit, backing store, software, survey of applications.

Recommended reading C. O. Elliot and R. S. Wasley, *Business Information Processing Systems*; A. Daniels and D. Yeates, *Basic Training in Systems Analysis*.

985 Business Information Systems

Mr F. F. Land, Mr Stamper and others. Ten lectures, Michaelmas Term.

For B.Sc. (Econ.) Part II: *Management Data Processing*, XI 5, 6 and 7a (second year); B.Sc. (Maths.) Part II, 5, 6, 7 and 8e (second year); M.Sc.: *Systems Analysis I*, I 5; XII 3(vii); XXIII C3(i), D1; *Systems Analysis for Non-Specialists*, XXIII option p.

Syllabus The nature of business information. Information related to the functions of management; planning, control, organizing, communication and decision-making. Total and integrated systems.

Recommended reading J. Dearden and F. W. McFarlan, *Management Information Systems*; D. H. Li, *Accounting, Computers, Management Information Systems*; E. S. Buffa, *Production-Inventions Systems*; C. B. Randall and S. W. Burgly, *Systems and Procedures for Business Data Processing*; the following journals: *Data Systems*; *Data Processing*.

985(a) Business Information Systems Class

Mr F. F. Land, Mr Stamper and others. Five classes, Michaelmas Terms.

986 Data Processing Methods

Mr F. F. Land. Fifteen lectures, Michaelmas and Lent Terms.

For B.Sc. (Econ.) Part II: *Management Data Processing*, XI 5, 6 and 7a (third year); B.Sc. (Maths.) Part II, 5, 6, 7

and 8e (third year); M.Sc.: *Systems Analysis I*, I 5; XII 3(vii); XXIII C3(i), D1; *Automatic Data Processing*, XII 3(v); *Systems Analysis for Non-Specialists*, XXIII option p; *Computing and Data Processing*, XXIII option a.

Syllabus Data capture and data transmission. System protection and error recovery. Coding systems. Organization of program suites.

Recommended reading R. H. Gregory and R. L. Van Horn, *Business Data Processing and Programming*; H. N. Laden and T. R. Gildersleeve, *Systems Design for Computer Applications*; A. Daniels and D. Yeates, *Basic Training in Systems Analysis*.

986(a) Data Processing Methods Class

Mr F. F. Land. Five classes, Lent Term.

For M.Sc.: *Systems Analysis I*, I 5; XII 3(vii); XXIII C3(i), D1; *Systems Analysis for Non-Specialists*, XXIII option p; *Computing and Data Processing*, XXIII option a.

987 Computer Systems Design

Mr Waters. Ten lectures, Michaelmas Term.

For B.Sc. (Econ.) Part II: *Management Data Processing*, XI 5, 6 and 7a; B.Sc. (Maths.) Part II, 5, 6, 7 and 8e (third year); M.Sc.: *Systems Analysis I*, I 5; XII 3(vii); XXIII C3(i), D1; *Automatic Data Processing*, XII 3(v); *Computing and Data Processing*, XXIII option a.

Syllabus Introduction to storage devices, file organizations and file processing techniques for batch and real-time systems.

Recommended reading H. N. Laden and T. R. Gildersleeve, *Systems Design for Computer Applications*; D. D. McCracken, *A Guide to COBOL Programming*.

987(a) Computer Systems Design Class

Mr Waters. Five classes, Michaelmas Term.

For M.Sc.: *Systems Analysis I*, I 5; XII

3(vii); XXIII C3(i), D1; *Computing and Data Processing*, XXIII option a.

988 Methodology of Systems Analysis and Design

Mr Stamper. Ten lectures, Lent Term.

For B.Sc. (Econ.) Part II: *Management Data Processing*, XI 5, 6 and 7a; B.Sc. (Maths.) Part II, 5, 6, 7 and 8e (third year); M.Sc.: *Systems Analysis I*, I 5; XII 3(vii); XXIII C3(i), D1; *Systems Analysis for Non-Specialists*, XXIII option p.

Syllabus Analysis and synthesis of information systems. Description of systems and complex procedures. Evaluation, implementation and maintenance of systems incorporating computers.

Recommended reading H. N. Laden and T. R. Gildersleeve, *Systems Design for Computer Applications*; R. H. Gregory and R. L. Van Horn, *Business Data Processing and Programming*; D. H. Li, *Accounting, Computers, Management Information Systems*; P. A. Losty, *Effective Use of Computers in Business*; A. D. Hull, *A Methodology for Systems Engineering*; W. T. Singleton, *Current Trends Towards Systems Design*; V. Lazzaro (Ed.), *Systems and Procedures*; A. Daniels and D. Yeates, *Basic Systems Analysis*.

988(a) Methodology of Systems Analysis and Design Class

Mr Stamper. Five sessions of one-and-a-half hours, Lent Term.

989 Advanced Systems Analysis Methodology

Mr F. F. Land and others. Fifteen lectures, Michaelmas and Lent Terms.

For M.Sc.: *Systems Analysis II*, I 5; XII 3(viii); XXIII D2.

Syllabus Feasibility and evaluation of systems. Project management, standards in data processing. Application packages and computer languages. Information retrieval. The computer utility.

Recommended reading D. H. Brandon, *Management Standards for Data Processing*; J. Dearden and F. W. McFarlan, *Management Information Systems*; D. H. Li, *Accounting, Computers, Management Information Systems*.

989(a) Advanced Systems Analysis Methodology Class

Mr F. F. Land and others. Ten classes, Lent Term.

990 Information

Mr Stamper. Ten lectures, Lent Term.

For M.Sc.: *Systems Analysis II*, I 5; XII 3(viii); XXIII D2.

Syllabus Information as signs, signs and behaviour, semantics, syntactics, transmission of signals. Problems in the measurement of information as properties of signs relative to behaviour, relative to a formal language and as variety.

Recommended reading C. Cherry, *On Human Communication*; R. K. Stamper, *Information*.

990(a) Information Class

Mr Stamper. Seven classes of one-and-a-half hours each, Lent Term.

991 Organization and Computers

Mr M. H. J. Webb. Five lectures, Lent Term.

For M.Sc.: *Systems Analysis II*, I 5; XII 3(viii); XXIII D2.

Syllabus Case studies of the main pre-occupation of management in several firms. The role of computer systems. How computer systems and systems analysts fit into firms.

Recommended reading The following journals: *Data Systems*; *Data Processing*; *Business Management*.

992 Advanced Computer Systems Design

Mr Waters. Ten lectures, Lent Term.

For M.Sc.: *Systems Analysis II*, I 5, XII 3(viii); XXIII D2.

Syllabus Programming strategies for batch and real-time systems with complex file organizations and processing techniques.

Recommended reading J. Martin, *Programming Real-Time Computer Systems*; W. F. Sharpe, *Economics of Computers*.

992(a) Advanced Computer Systems Design Class

Mr Waters. Ten classes of one-and-a-half hours, Lent Term.

993 Further Statistical Methods

Mr Gattoni. Twenty lectures, Michaelmas and Lent Terms.

For M.Sc.: *Methods of Sociological Study*, III 3(i); XIX 2. (Students should attend this course or Course No. 863.) Also for graduate students in Psychology. Selected lectures for B. Sc. (Soc. Psych.) (second year). It will be assumed that students have a knowledge of statistics to the standard of Course No 914.

Syllabus Elements of matrix algebra. Analysis of variance and covariance. Multiple regression. Factor analysis.

Recommended reading H. M. Blalock, *Social Statistics*; N. Draper and H. Smith, *Applied Regression Analysis*; T. Yamane, *Statistics, an Introductory Analysis*; W. L. Hays, *Statistics for Psychologists*; D. R. Cox, *Planning of Experiments*; M. J. Moroney, *Facts from Figures*.

994 Statistics Seminar

Occasional seminars throughout the session. Details from Professor Sir Roy Allen or Professor Stuart.

For graduate students. Others may attend by permission of the professors concerned.

995 Joint Statistics Seminar

Seminars on statistical theory and its applications will be held in conjunction with Birkbeck College, Imperial College and University College throughout the session. Further information about the seminar may be obtained from Professor Sir Roy Allen or Professor Stuart.

L.S.E. Books ---

Some recent volumes are described below. Enquiries on publications sponsored or published by the School should be addressed to the Publications Officer.

Students in Conflict: L.S.E. in 1967

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L.S.E. Research Monograph No. 5. Published under the Weidenfeld and Nicolson/L.S.E. joint imprint. 65s. (£3.25) net.

Industrial Demand for Water: a Study of South East England

JUDITH REES

Lecturer in Geography at the London School of Economics

L.S.E. Research Monograph No. 3. Published under the Weidenfeld and Nicolson/L.S.E. joint imprint. 65s. (£3.25) net.

The Government of London: the Struggle for Reform

GERALD RHODES

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Capitalism and the Corporation (Review Article) *Brian Hindley*
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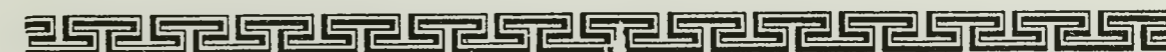
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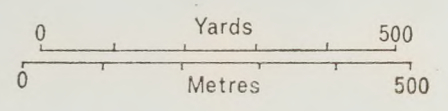
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King's Chambers	K
Lincoln Chambers	L
9&10 Sheffield St	M

PS
 PH
 B
 E
 PH
 PS

Clare Market Building
 Old Building
 East Building
 6 Clements Inn
 Clare Market Building
 Parish Hall
 1 Portsmouth St

100 feet

