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CITY OF LEEDS AND CARNEGIE COLLEGE

1976-77

REORGANISATION OF HIGHER EDUCATION

In accordance with government policy described in the White Paper, Education, A Framework for Expansion, the pattern of higher education in Leeds is being unified. It is intended that this College will join James Graham College and Leeds Polytechnic in September 1976 to form a new collegiate institution. This change is not expected to affect the accuracy of any of the information given in this handbook.

DATES OF TERMS

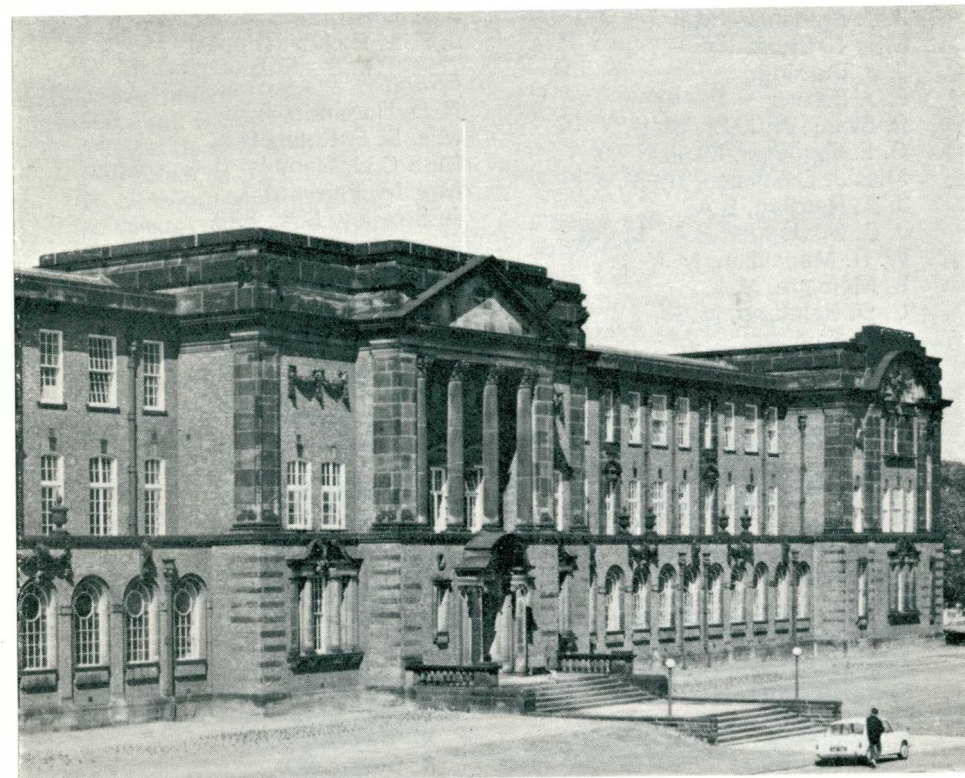
The dates of terms for 1976-77 have not yet been decided but they will probably be similar to those for 1975-76, which are given below.

Autumn	Monday 22 September 1975 to Friday 12 December 1975	
Spring	Monday 5 January 1975	to Friday 26 March 1976
Summer	Monday 26 April 1976	to Friday 9 July 1976

All enquiries about admission and application should be addressed to:

The Academic Registrar
City of Leeds and Carnegie College
Beckett Park
Leeds LS6 3QS
Telephone: Leeds 759061

CITY OF LEEDS AND CARNEGIE COLLEGE



PRINCIPAL: L. Connell, M.Sc., Ph.D.
DEPUTY PRINCIPAL: F. C. Willmott, M.A.
CARNEGIE DIRECTOR OF PHYSICAL EDUCATION:
J. C. Evans, M.Ed., Dip. P.E.

The following table summarises the opportunities open to students entering the three-year course.

	<i>Students qualified for university entrance before entry to College</i>	<i>Students not qualified for university entrance before entry to College</i>	
	Register for B.Ed. (Ordinary) and B.Ed. (Honours) at beginning of first year	<i>Either</i> Obtain university entrance qualifications during first year and register for B.Ed. (Honours) degree at beginning of second year	<i>Or</i> Remain not qualified for university entrance
Third Year Award	B.Ed. (Ordinary)	Certificate in Education	Certificate in Education
	If reach approved standard in B.Ed. (Ordinary)	If reach approved standard in Certificate in Education	Course ends
Fourth Year Award	B.Ed. (Honours)	B.Ed. (Honours)	—

ONE-YEAR COURSES

COURSE OF PROFESSIONAL TRAINING FOR GRADUATES

There is a one-year course, open to graduates and holders of equivalent qualifications, for the Graduate Certificate in Education of the University of Leeds Institute of Education. For suitably qualified students this may be combined with a study of physical education in preparation for specialist teaching of physical education in secondary schools. Further details will be supplied on request.

COURSE FOR INTENDING TEACHERS OF CRAFT AND TECHNICAL STUDIES

There is a special one-year course for intending teachers of craft and technical studies designed to prepare craftsmen with experience in

industry for teaching in schools. It is open to craftsmen who possess one of the following qualifications: (a) passes in both sections (general and craftwork) of the City and Guilds of London Institute Teacher's Certificate in Handicraft (present revised scheme); or (b) passes in the First Handicraft Examination and Section 1 of the Second Handicraft Examination of the City and Guilds of London Institute (previous scheme, now discontinued); or (c) Full Technological Certificate (in an appropriate wood-working or metalworking trade) of the City and Guilds of London Institute; or (d) Higher National Diploma; or (e) Higher National Certificate. They should normally have reached the age of 25 on 1 October in the year in which the course begins, but younger candidates may be admitted in exceptional circumstances, either to the one-year course or to a two-year course. Further details will be supplied on request.

COURSES FOR QUALIFIED TEACHERS

For qualified teachers there are one-year supplementary courses in:

- (i) education of backward children;
- (ii) physical education (in the Carnegie School of Physical Education).

Further details of these courses will be supplied on request.

Qualified teachers may also be admitted to the fourth year course for the Bachelor of Education (Honours) degree. Details may be obtained from the Registrar, The University, Leeds, 2.

RESIDENCE

The College was founded as a fully residential College and there are ten halls of residence, all on the campus. In recent years the need for expansion of student numbers has made it necessary to admit a larger proportion of students living in the parental homes and to use approved lodgings as a form of residence, and the desire of some students to live independently has been recognised. The College still regards residence as beneficial, especially for students on the three-year course, but residence is now entirely optional. Students accepting places in residence do so on the understanding that they will observe the current hall regulations.

Resident students may be accommodated either in hall or in approved lodgings. If in approved lodgings they are provided by the College with sleeping and study accommodation in houses near the College estate, but in other respects they remain full members of their halls of residence. Like students in halls they take all their meals in the College refectory without payment.

Day students are required to find their own accommodation. Once the address is approved they are independent of College residential administration and are not entitled to the use of hall amenities, including common room and laundry, though they may take meals in the College refectory on payment. Students who have chosen to be day students rather than resident students are not normally allowed to become resident students later. Change of status from resident student to day student is normally allowed only at the end of the College year, but it may be allowed at other times in exceptional circumstances.

There is strong competition for resident places and priority is given to overseas students and students on the three-year course. First year students on the three-year course who have been offered resident places are normally accommodated in halls of residence. At the end of the first year they may apply to continue as resident students; if accepted they are normally accommodated in approved lodgings. At the end of the second year resident students may again apply for permission to continue as resident students; if accepted and accommodation is available they are normally offered places in halls of residence. The normal pattern of residence for three-year course students is therefore that they spend the first year in hall, the second in approved lodgings, and the third year in hall.

Students on one-year courses and students staying for the fourth year of the Bachelor of Education course are normally expected to make their own living arrangements, but they can sometimes be offered resident places in halls or approved lodgings.

LIBRARY

The library is one of the largest in colleges of education in England and Wales, and contains over 70,000 books, as well as periodicals, gramophone records, film strips, tapes and an illustrations collection. Over 12,000 children's books are available, especially for use during teaching practice. The lending library has seating for 100 and the reference library and study area for 130. The lending library is open until 7.30 p.m. and the reference library until 9 p.m. from Mondays to Fridays; the lending library is also open on Saturday mornings.

AUDIO-VISUAL SERVICE

At this time of rapid development in educational equipment and techniques, the Audio-Visual Service offers loan facilities for equipment related to a variety of teaching media. Production facilities exist to professional standard for 16mm film, there is a fully equipped closed circuit television studio and mobile facilities as well as photographic equipment and dark room. There is also a comprehensive range of

sound recording apparatus, reprographic facilities, teaching aids of all kinds and programmed learning materials. Students are encouraged to familiarise themselves with the equipment and to take part in practical and experimental work.

MEDICAL SERVICES

There is a fully equipped medical centre in the charge of a resident nurse. The College medical officer attends daily.

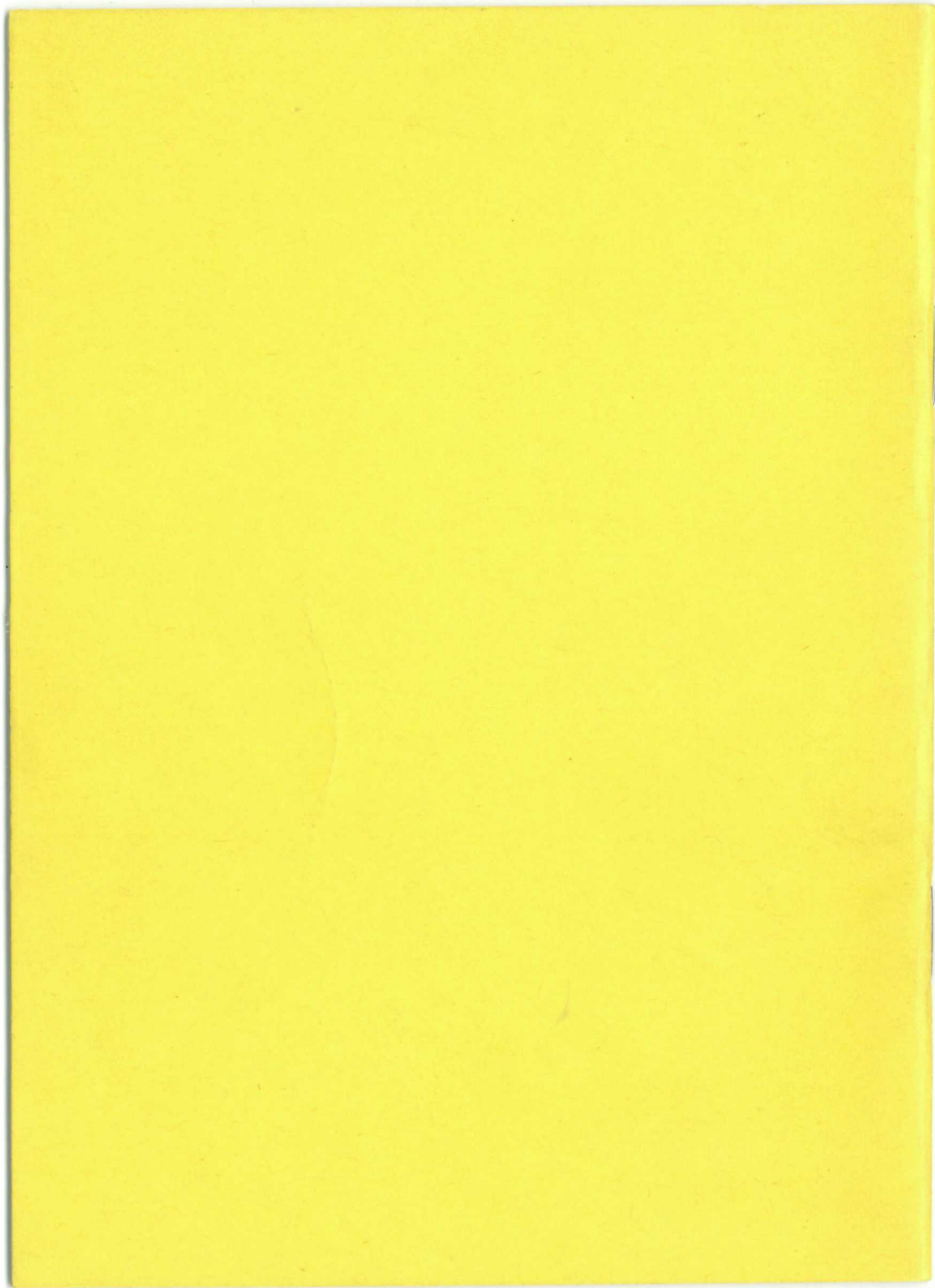
STUDENT CENTRE

The Student Centre provides a place for study and leisure time activities for all students, and houses the office of the Students' Union. The Centre is of particular value to day students.

STUDENTS' UNION

All students of the College are members of the Students' Union on payment of an annual subscription as fixed by the Union. The Union is responsible for co-ordinating and financing a wide variety of activities. There are sports clubs for the traditional games activities, and facilities are also provided for activities ranging from volley-ball to rock-climbing, from dance drama to fives, from light opera to folk music, and from socialism to cinema.

The Students' Union is an autonomous body and has representatives on the College Academic Board and the Board of Governors.



ACADEMIC AND ADMINISTRATIVE STAFF APRIL 1975

The staff of the Carnegie School of Physical Education is shown on page 5.

EDUCATION

A. E. Carter, B.A.
Miss J. Haworth, M.A., Ph.D.
J. T. Bradshaw, M.A.
Miss E. Bryan
J. J. Burbidge
E. J. Davies
R. Evans, N.D.D., A.T.D.
G. E. Ginnever, M.Sc.
Miss J. Gledsdale, N.F.F.
J. A. Harding, B.A.
J. B. M. Jagger, B.A., M.Litt.
W. R. Macmillan, M.A.
B. Metcalfe, M.A.
G. D. Rainbow, M.Sc.
C. K. Ramsay
J. G. Roberts, M.A., M.Sc.
E. H. Roper, M.A.
E. Roxborough, M.A.
Miss D. H. Smithson, M.A.
Mrs. F. M. Sunderland, M.Sc.
E. B. F. Wakefield, B.A.
E. Walker
G. Walsh, Dip.A.S.E.
R. K. Williams
M. G. Walters, B.A.

ENGLISH

J. D. Haigh, M.A., Ph.D.
K. R. Brewster, B.A.
L. Brown, B.A.
B. Dean, B.A.
J. G. Glyn, B.A.
R. G. Holloway, B.A.
M. H. Jenkinson, M.A.
G. F. Pellant, M.A.
R. Perkin, B.A.
T. Pey, M.A.
J. E. H. Rogers, B.A.
Miss M. G. Round, M.A.
R. G. Walker, B.A., Dip.
Curricular Studies

K. Willis, B.A.

DRAMA

J. T. Linstrum, B.A., A.D.B.
J. F. Mee, Adv. Dip. Ed.

FRENCH

P. D. Hamilton, B.A.
Mrs. B. E. Coles, B.A.
Miss C. J. Gamble, B.A., L.es L.
Mrs. M. Parry, M.A.
A. Smalley, B.A., F.I.L.

RELIGIOUS STUDIES

A. E. Elms, B.A., B.D.
S. L. Evans, B.A., B.Phil.
A. Harvey, B.A.
C. J. Kitchell, M.A.
Mrs. B. Onions, B.A.
Miss E. I. Pinthus, B.A.

HISTORY

R. J. Porter, M.A.
J. D. Charlton, B.A.
E. A. Elton, M.A.
Miss J. E. Exwood, B.A.
Miss J. N. Pogson, B.A.
I. M. Poole, B.A.
R. T. Spence, B.A., Ph.D.

GEOGRAPHY

G. E. Bell, M.Sc., M.Ed., Ph.D.
P. M. Balchin, B.Sc.
K. A. Crotty, B.A.
D. A. Fawcett, B.A.
K. Orrell, B.Sc.
W. B. Pick, B.A.
T. M. Renwick, B.Sc.
Miss J. Stainthorpe, B.Sc.
B. Toft, B.A.

MATHEMATICS

R. Heath, B.Sc.
G. D. Harper, B.Sc.

Mrs. L. A. Moss, B.Sc.
Miss M. Pomfret, B.Sc.
D. J. West, B.Sc.
J. R. Wilson, M.A.

SCIENCE

E. A. Calder, B.Sc., Ph.D.
T. J. Ericson, M.Sc.
C. F. Sellers, B.Sc., Ph.D.
D. M. Davies, B.Sc., Ph.D.
J. W. Hadwin, B.Sc.
R. Leigh, B.Sc.
M. Madders, B.A.
F. Mattick, B.Sc.
N. D. Wigglesworth, B.Sc.
A. Wilson, B.Sc.
K. J. Wood, B.Sc., Ph.D.

MUSIC

J. C. Pitts, L.T.C.L., A.R.C.M.,
B.Mus.
R. Boswell, A.R.C.M., G.R.S.M.,
B.Mus.
Miss R. K. Mead, L.R.A.M.,
G.R.S.M., L.T.C.L., A.R.C.M.
Mrs. J. M. Porter, L.R.A.M.
S. Lindley, F.R.C.O., F.T.C.L.,
G.R.S.M. (part-time)

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ADMINISTRATION AND
FINANCE OFFICER
REGISTRAR
ADMINISTRATIVE ASSISTANT
(FINANCE)
CATERING OFFICER
SUPERINTENDENT DOMESTIC
BURSAR
MEDICAL OFFICER
LODGINGS OFFICER

RURAL STUDIES

N. J. Baxter, B.Sc.
G. M. Wordsworth, B.Sc., N.D.A.

ART AND CRAFT

T. B. Wanless, N.D.D., Dip.A.E.,
F.R.S.A., M.Ed.
F. Corr
J. B. Holmes, N.D.D., A.T.D.,
D.F.A. (Slade)
D. L. Richards, N.D.D., A.T.D.
T. M. Van Lemmen, Dip.A., B.A.
J. H. Wess, N.D.D., A.T.D.
Miss E. M. Wilson, N.D.D.

CRAFT AND TECHNICAL STUDIES

L. H. Laic
A. A. Brown, A.T.D.
D. L. Ellis, A.T.D., F.T.C.
A. H. Guise, Des.R.C.A.
A. H. Moore, Diploma in
Handicraft
R. A. A. Rignall, M.Inst.B.E.

AUDIO-VISUAL MEDIA

E. V. Beer, A.C.I.E.
R. W. Tucker, B.A.

C. K. Ramsay
R. Bateman, F.L.A.
Miss J. Newiss, B.A., A.L.A.
Miss D. H. Smithson, M.A.

R. Hardy

H. Staton
P. Larner

A. Morley
Mrs. M. I. Aldam

Miss M. B. Walker

Mrs. M. A. Baxendale

THE COLLEGE

The City of Leeds and Carnegie College was formed by the merger, on 1 September 1968, of the City of Leeds College of Education and Carnegie College of Physical Education.

The City of Leeds College for the training of men and women teachers was established in 1907 by the Leeds Education Committee in temporary buildings, and moved to Beckett Park in 1912. Carnegie College of Physical Education was opened in 1933, on the same campus as City of Leeds College, to train men specialist teachers in physical education, the capital cost of premises and initial equipment being met by the Carnegie United Kingdom Trust. Originally it provided one-year courses only, for trained teachers and university graduates. Since 1960, however, Carnegie College and the City of Leeds College have worked in close co-operation to provide a three-year course of initial training for men with specialisation in physical education. The two colleges became one in September 1968 and all physical education, for both men and women, is now undertaken in the Carnegie School of Physical Education, a constituent part of the City of Leeds and Carnegie College.

Few colleges can be more fortunate in their position and site. Situated on the north side of Leeds on the approach to Wharfedale, the College lies on the edge of rural Yorkshire. To the immediate north and north-west is the beautiful and varied country of the Yorkshire dales and Pennine moors. To the east and north-east is the vale of York. Within easy access of the College are the cathedral cities of Ripon and York, the fine monastic houses of Bolton and Fountains, the Bronte country, the inland resorts of Harrogate and Ilkley, and the great sweep of the limestone and gritstone hills of the Pennines. Beckett Park is three miles from the centre of Leeds and two from the university, so theatres, music, libraries, good shops and all the amenities of a large and active university city are within easy reach.

The estate of nearly a hundred acres includes woodland and open parkland, a garden for rural studies, and playing fields. It was originally the park of Kirkstall Grange, an eighteenth-century mansion now used as a hall of residence. The original buildings, erected in 1912, included the teaching block, seven halls of residence and the swimming bath, and the Carnegie College buildings added a teaching block, gymnasium and another hall of residence. Buildings erected in recent years include a tenth hall of residence, the refectory, new buildings for science and modern languages, gymnasium, a covered training area, a medical centre and a student centre. A major reconstruction of the playing fields was completed in 1971.

With over 1,400 students, equally divided between men and women and 600 residential places on the campus, the College is one of the largest in the country.

CARNEGIE SCHOOL OF PHYSICAL EDUCATION

DIRECTOR: J. C. EVANS, M.Ed., Dip.P.E.

J. W. Armstrong, B.A., Dip.P.E.	Miss D. S. Greenwood, Dip.P.E.
M. G. Beck, B.A., Dip.P.E.	J. H. L. Humphries, M.Ed.
M. D. Butterworth, Dip.P.E.	J. Malpass, Dip.P.E.
Mrs. C. A. Challis, Dip.A.S.E.	R. McKenzie, Dip.P.E.
A. Clough	P. R. Morris, M.Ed., Dip.P.E.
H. Collins, Dip.P.E.	G. R. McKinney
A. Cross, Dip.P.E.	A. G. Roche, Dip.P.E.
D. J. Curry, Dip.P.E.	D. M. Scott, M.C., Dip.P.E.
J. R. Emmett, M.A., Dip.P.E.	G. B. White, B.A., Dip.P.E.
J. A. Fazey	N. J. Whitehead, M.Ed., Ph.D., Dip.P.E., Dip. Curricular Studies
R. Gillibrand, Dip.P.E., Dip. Biology, Dip.H.E.	G. Whiteley, Dip.P.E.
B. Goodman, B.Sc. (Econ.), Dip.P.E.	

RESEARCH FELLOW: D. A. Brodie, B.Ed., M.Sc.

The Carnegie School of Physical Education, an integral part of the College, was instituted in September 1968 to continue and develop the work of the former Carnegie College of Physical Education. It has a staff of specialists in physical education covering all aspects of the subject. In addition to teaching, it conducts research in physical education through a recently instituted research unit and publishes a journal "Research Papers in Physical Education".

The accommodation includes five gymnasiums, a covered training area with bitu-turf floor for games training and athletics, a floodlit all-weather training area, a swimming pool, a dance studio and an all-weather athletics track and playing fields, all on the College campus. There are laboratory facilities for the theoretical and practical study of physical activities. Outdoor activities take place in the district and further afield, and opportunities are provided for canoeing, sailing, orienteering, ski-ing, gliding and rock-climbing.

In addition to the three-year major course in physical education leading to the Bachelor of Education (Ordinary) degree (see description under School of Physical Education and Human Movement Studies) and the fourth year course for the Bachelor of Education (Honours) degree, the Carnegie School offers the following one-year courses:

- a one-year course of advanced study for physical education specialists leading to the award of the Diploma in Physical Education of the University of Leeds Institute of Education;
- a one-year supplementary course in physical education for serving teachers leading to the award of the Certificate in Physical Education of the University of Leeds Institute of Education;

- (c) a one-year course in physical education for Commonwealth bursars and overseas students leading to the award of the Certificate in Physical Education of the University of Leeds Institute of Education;
- (d) a one-year course in physical education for graduates as part of the course for the Graduate Certificate of Education of the University of Leeds Institute of Education.

In addition to professional courses of study there are opportunities for all students in the College to take courses leading to the qualifications of the following National Governing Bodies of Sport: Amateur Athletic Association, Amateur Basketball Association, Amateur Volley Ball Association, Football Association, Royal Life Saving Society, Royal Yachting Association.

ADMISSION TO THREE-YEAR COURSE

The principal course provided by the College is the three-year course for the Bachelor of Education (Ordinary) degree of the University of Leeds. The degree includes qualified teacher status.

For admission to the Bachelor of Education (Ordinary) degree course students must satisfy the normal university entrance requirement of the Joint Matriculation Board, which generally includes two passes in the General Certificate of Education at Advanced level. (Full details of university entrance requirements should be available in school or may be obtained from the Secretary, Joint Matriculation Board, Manchester 15).

Students who do not satisfy the university entrance requirement of the Joint Matriculation Board may be admitted to the three-year course, but instead of the Bachelor of Education degree they will be awarded the Certificate in Education of the University of Leeds Institute of Education. These students must possess a General Certificate of Education with passes in at least five subjects. (In the G.C.E. examinations in 1975 and later years, at least Grade C must be obtained to count as a pass for this purpose. Grades 1 in C.S.E. are acceptable alternatives.) The competition for places in the College is so keen that candidates with the minimum academic entry qualifications have little chance of being considered. Preference is given to candidates who have a wide range of passes with high grades at Ordinary level and very good prospects of obtaining two passes at Advanced level.

The College requires to be satisfied of a candidate's ability to express himself in good English, both spoken and written. A pass or Grade C in the General Certificate of Education, or a Grade 1 in the Certificate of Secondary Education, or an equivalent qualification, is the minimum examination qualification accepted, but a further test of spoken English may be given at interview. Candidates for the first school and middle

years professional courses who have not passed in mathematics at G.C.E. Ordinary level (or equivalent) are required to demonstrate their proficiency in elementary mathematics at the time of interview.

In addition to possessing the necessary examination qualifications, candidates for admission must be at least 18 years of age on 1 October in the year of admission, must satisfy the College as to character, probable suitability for the teaching profession, and health and physical capacity for teaching, and must have been ordinarily resident in the United Kingdom for three years immediately preceding the date on which the course is due to begin, or else would have been so resident had not their parents, or one of them, been employed for the time being outside the U.K.

APPLICATION FOR ENTRY TO THREE-YEAR COURSE

An application form and an M.W. card accompany this handbook. Candidates must complete the M.W. card and send it to the address shown. The Clearing House will send a registration form, which should be completed and sent to the college together with the completed application form and the registration fee. (Cheques and postal orders should be payable to "The Central Register and Clearing House Ltd.") Applications should reach the College by 8 October, or as soon as possible afterwards. A candidate who has had teaching experience should send with his application form a report from his head teacher.

WITHDRAWAL OF UNSATISFACTORY STUDENTS

All students are admitted on the understanding that they will observe the regulations of the Department of Education and Science and the rules of the College. The governors of the College may demand the withdrawal of any student whose work or conduct is unsatisfactory or who, on the grounds of health or for any other reason, does not appear likely to become an efficient teacher.

GRANTS AND FEES

Most students are "recognised students", receiving grant under the regulations of the Department of Education and Science. Full details about grants may be obtained from the office of the applicant's local education authority, which is normally responsible for the assessment of grants and parental or student's contribution towards boarding fees. Tuition is free for all recognised students.

Details of the board and tuition fees charged to private students, i.e. those not recognised by a local education authority or education department, will be provided on request to the College.

CURRICULUM OF THREE-YEAR COURSE

The curriculum of the three-year course for the Bachelor of Education (Ordinary) degree or the Certificate in Education includes academic and professional studies. The subject matter is built up from standard units of study combined, with a large measure of student choice, into courses. School experience is progressive throughout the course with a substantial period in the third year.

A student's annual programme of study is as follows:

First Year: one major course (6 units); one minor course (3 units); one minor professional course (3 units); school experience.

Second Year: continued study of one major course (6 units); one minor course (3 units); one minor professional course (3 units); school experience.

Third Year: continued study of one major course (6 units); one minor professional course with school experience (5 units); one minor course of educational studies (3 units).

The professional studies are undertaken in the Faculty of Professional and Vocational Studies. They are divided into three broad sections according to the age-range of children students are preparing to teach: first school (age-range 3 to 11), middle years (age-range 7 to 13), and secondary school (age-range 11 to 18). Some students preparing for work in secondary schools may be allowed to take the secondary-youth option and add some youth club experience to their secondary school experience.

The academic studies are undertaken inside one of the following six Schools, which have been formed by the combination of subject departments: Humanities; Mathematical, Scientific and Technical Studies; Social and Environmental Sciences; Education and Behavioural Sciences; Physical Education and Human Movement; Creative Arts. A general description of the courses offered by the Schools is given on later pages.

Certificate students are restricted in their choice of major course according to the age-range of children they are preparing to teach. Students on the first school professional course may choose any of the major courses offered except physical education and craft and technical studies. Students on the middle years professional course may choose any of the major courses offered. Students on the secondary school professional course may choose major courses only in religious studies, mathematics, science, craft and technical studies and physical education.

SCHOOL OF HUMANITIES

The four departments of English, French, history and religious studies offer major courses most of which include a number of components from which a student may select areas of particular interest.

ENGLISH

The English department offers courses in literature and in language studies. The literature courses seek to develop enjoyment and understanding, to place literature in its social and historical context, and to help students make an imaginative and critical response. In language studies the stress is on contemporary English viewed from various perspectives, including the social and the psychological, with practice reinforcing theory.

In the first two years the major course is in two equal parts: (1) a course in English literature involving modern authors, Chaucer and medieval literature, and eighteenth century novels (Year 1); and a study of Shakespeare and his Age (Year 2); (2) one of the following four courses: (a) literature: a course offering a wide choice of fiction, poetry and drama, and including a study of children's literature; (b) language: an objective and systematic study of the nature of language and some of the ways people use it; (c) an inter-related course in humanities: a study of the seventeenth century involving a combined study in the history, philosophy and literature of the period and a related study dealing with Donne, Milton and Dryden; (d) a course in the drama department (see under Drama).

In the third year every student has considerable freedom in choosing literature, language, or drama, or a combination of these.

FRENCH

A substantial part of the course in French is devoted to language work, which is designed to produce fluency and accuracy in spoken and written French and includes regular language laboratory practice and work with a native French speaker. In literature the stress is on the twentieth century but there is also a wider study of literature to show the main streams of French thought. To complement this there is some study of the history and geography of France together with a detailed examination of certain aspects of contemporary French life. Students are required to spend a short period of study in France during their course.

HISTORY

The major course in history consists of a special period, three shorter studies and a long essay. Normally, three of the following special periods, including the one for inter-related study, are available each year: (1) Britain in the age of the two world wars; (2) U.S.A. 1865 to the present day; (3) English society from the Hanoverian Succession to the Revolutionary Wars; (4) government and society from the Reformation to the Civil War; (5) British culture and society from the Civil War to the Hanoverian Succession (period for inter-related study). The shorter studies are taken, one each year, to broaden students'

knowledge and open new areas for historical inquiry. In the first year students may choose between Aspects of the Middle East and Mediterranean World from Sumer to the end of the Roman Republic and Aspects of English Medieval history. In the second year they take English Local History and Fieldwork, and in the third, Area Studies in Recent World history.

Throughout the course emphasis is placed on the study of primary sources; and in the long essay, which is written in the third year on an approved subject chosen from the area of the Special Period, their use is especially encouraged. Students are able to work in the Record Office and the Leeds Local History Library, and the course as a whole provides them with means and opportunity to equip themselves with knowledge and skills to become teacher-historians.

The department also participates in the inter-related course in Humanities, (see below) contributing lectures and seminars to both the inter-related programme and the specialist studies of the course.

RELIGIOUS STUDIES

The course aims to help students to acquire some understanding of the religious, ethical and ideological complexity of the modern world. In the first year students choose two areas of study from: Old Testament History, Religion and Theology; Philosophy of Religion; Theology and Literature; World Religions. In the second year two areas are studied from New Testament History, Religion and Theology; Philosophy and Religion in Eastern and Western Thought; Ethics. In the third year two areas are studied from Biblical Studies; Religion in the West in the 19th and 20th centuries; Biblical and Historical Theology.

Throughout, studies in religion and ethics are correlated with current affairs, literature and philosophy. Students have a wide choice of topics in their course work. An express commitment to a specific Christian position is not required but students are expected to have a genuine interest in values and their embodiment in society.

HUMANITIES

In addition to the main courses in English, French, history and religious studies described above, there is an inter-related course in Humanities, which is a combined study of the period 1930 to 1936. This course is an option open to students whose major course is in English or history, religious studies, and it provides half a student's major course in the first and second year. The study concentrates on England but extends its scope to the Continent at appropriate points. It traces the main developments of the period and seeks to appreciate its achievement, with particular attention to social and constitutional history, English literature and philosophy. Applicants for this course should put on their

application forms English/Humanities or History/Humanities as their choice of main course.

SCHOOL OF EDUCATION AND BEHAVIOURAL SCIENCES

As a result of the reconstruction of the three-year course, students now have the opportunity to select a major course in Education and Behavioural Sciences distinct from their professional courses. The courses are in subject areas which will be new to most students but which are fundamental to work in the teaching profession, the youth service and other areas of social work. Students choosing one of the three major courses pursue a common first year of studies which includes sociology, psychology, social philosophy and social history.

PSYCHOLOGY

The course is designed to afford students an insight into human behaviour. In the first year, after a general introductory course, some emphasis is placed on social psychology to help students towards an understanding of the importance of environmental influence. The second year is devoted to human development and includes a study of personality and intellectual development. In the third year emphasis is placed on child psychology and the learning process.

SOCIAL WELFARE AND COMMUNITY STUDIES

Students on this course study: the structure and function of the social services with particular attention to the development of social policy and its present application; the development of children to adolescence in the context of the family, the school and other social units; group and individual relations; the structure of communities and community relationships; the development of community education.

SOCIOLOGY

The content of this course is the academic study of sociology, leading to an understanding of the relationship of sociology to society, the nature of sociological theorising and the logic and procedures used by sociologists. The course will enhance the understanding of such problem areas as deviance, inequality, education, work and power. It will be of interest to intending first, middle and secondary teachers who wish to increase their sensitivity to the social needs of children, and to teachers intending to enter the developing field of social studies.

Students selecting one of these major courses should write the title of the course they have selected on their application forms. As the first year is common to all three courses it will be possible for a final selection to be confirmed towards the end of the first year.

SCHOOL OF MATHEMATICAL, SCIENTIFIC AND TECHNICAL STUDIES

The College is recognised by the Department of Education and Science as a centre for the training of specialist science teachers in secondary schools. There are eight well equipped teaching laboratories, research rooms, a science workshop, preparation rooms and lecture rooms. Practical work in computing is based on an on-line link to an I.C.L. 1904A computer.

Units of study are offered in the four subjects; biology, chemistry, mathematics and physics. They may be combined in various ways to suit students' interests. In the first year students are required to compose their major courses from more than one subject, but in the second and third year they may increase their degree of specialisation. No student may choose more than half his major course in mathematics. In making their initial selection on their application forms candidates should show two subjects for study, e.g. Physics/Mathematics, Biology/Chemistry.

Students choosing major courses in the sciences should have at least one Advanced level G.C.E. pass in a science and at least an Ordinary level G.C.E. pass in mathematics.

BIOLOGY

The units of study offered in biology have two main objectives: the statement and discussion of basic biological principles, and the interpretation of these principles in the study of various kinds of organism in different environments or habitats. These objectives are pursued through morphological, physiological and ecological class-studies in the field and laboratory. Units of study include: environment and the structure of organisms; biology of invertebrates; vertebrate evolution and behaviour; mammalian physiology; micro-biology; plant nutrition; ecological dynamics; evolutionary genetics. In the study of natural associations of plants and animals local short-duration excursions and field visits are made to locations away from the College, e.g. Yorkshire limestone-country, Cumbrian Lakes, Yorkshire coast. The laboratories are equipped with a wide range of modern apparatus for all common important biological investigational techniques including the use of radioactive tracers, computer simulation programmes and phase microscopy. Care is taken to keep the work up-to-date and, when appropriate, topical, without neglect of the classical foundations on which it is based.

Teaching is through lectures, practicals and seminars, but self-reliance is encouraged by giving students frequent opportunity to devise their own independent solutions to investigational problems of various kinds. Students intending to specialise in biology in the third year are required

to undertake an extended individual study in an approved topic. This study is begun in year 2 and continues into the course to the end of year 3.

All students in biology major or minor courses must possess their own private set of laboratory dissecting instruments and a $\times 10$ hand-lens.

CHEMISTRY

The studies in chemistry follow a pattern of lectures, seminars and practical work and cover physical, inorganic and organic chemistry, paying attention to the industrial and environmental applications of the subject. The first year course includes a consideration of the fundamental chemical principles of structure, energetics and kinetics and serves as a foundation for the broader studies in years two and three. The work in physical chemistry continues with solution chemistry and a further application of the principles of kinetics and energetics developed in the first year. Inorganic chemistry is treated from the standpoint of periodicity and the electronic structure of atoms with particular reference to the elements in the s, p and d blocks. Organic chemistry includes a mechanistic study of organic reactions, spectroscopic investigation of compound structure and an introduction to bio-chemistry. The department is well equipped with a comprehensive range of modern apparatus for advanced practical work including gas-liquid chromatography equipment, infrared and ultra-violet/visible spectrophotometers.

MATHEMATICS

The mathematics course presents a broad range of mathematical ideas, techniques and applications. Units of study include: modern algebra, with an emphasis on algebraic structures, including a study of groups, fields and spaces, leading to linear and matrix algebra; analysis and calculus, including derivatives, power series and differential equations; vector analysis and vector methods applied to physical problems; statistical methods; computer appreciation, including programming in BASIC, numerical and non-numerical techniques, applications and implications in society. There are facilities for the off-line preparation of computer programs on paper tape.

PHYSICS

The work in physics is in the following broad areas: mechanics; relativity; electromagnetism; electronics; vibrations and waves; physical optics; kinetic theory; thermodynamics; quantum theory; astro-physics; the atomic nucleus; properties of solids, liquids and gases. The course has a strongly practical bias and includes a selection

of set experiments covering a wide range of experimental techniques, short problem-solving investigations and longer individual experimental studies. For projects in astronomy a Newtonian telescope and a double beam radio telescope are available. There are facilities for receiving weather satellite photographs and data.

SCHOOL OF SOCIAL AND ENVIRONMENTAL SCIENCES

The departments of geography and rural studies offer four major courses: Geography; Geography (Environmental Science); Geography (Social Science); Rural Science.

GEOGRAPHY

The major courses in geography, geography (environmental science) and geography (social science) are based on a common core of prescriptive units of study in geography in the first two years. Some variation of elective units of study allows students a preference towards physical or human geography within a balanced course. These elective elements of choice may be continued into the third year.

Common core units of study include: human geography; ecology; systems and processes in physical geography; historical geography of the British Isles; economic geography; processes and responses in landscapes in the British Isles; selective eco-systems. To the common core units of study prescriptive and elective units are added to make up the three main courses as follows.

Geography From: geology; regions in geography; understanding society; geographical issues in the E.E.C.; social geography; decision making in the geographical context; urban geography; geographical problems of the third world; geography of the U.S.S.R.; geomorphology; biogeography; climatology.

Geography (Environmental Science) From: plant and animal morphology and physiology; geology; understanding society; biological productivity; natural resources and environment management; agriculture and economic development; some elective units listed under geography above.

Geography (Social Science) From: social geography; understanding society; introduction to economic institutions; urban geography; natural resources and environment management; decision making in the geographical context; geographical problems of the E.E.C. and the third world; ethology; some elective units listed under geography above.

The courses have strong foundations of field and practical work, with emphasis on the understanding of principles, the acquisition of techniques and methodology. Field studies are undertaken in each year of the course: in Yorkshire, in other parts of Britain, and in Germany.

The resources of the department are considerable; the map room has a large and growing collection of British and foreign survey maps, there is a workshop and a photographic section under the direction of a specialist technician, and the technical and visual aids equipment is modern. The setting of the College at the junction of rural and industrial Yorkshire provides the department with an unrivalled outdoor laboratory.

RURAL STUDIES

The major course in rural science is closely linked with the environmental studies of the geography course and, on the basis of study of morphology, physiology and ecology, comprises the culture and study of plants and animals. It is particularly designed for students interested in gardening, farming, forestry and similar activities. The relationships between organisms and their environments are studied quantitatively in eco-systems near the College and in the broader context of the principal pattern of natural communities to produce economic groups of plants and animals are considered in terms of historical development and current practice. Other aspects of human ecology are also studied, including pollution and dereliction of eco-systems, conservation, environmental planning and land management. The department has a lecture room, a well-equipped laboratory, a large garden and green-houses stocked with a wide variety of plant species and equipment to cover most aspects of practical gardening and horticultural practice. An animal enclosure provides opportunities for practical experience of the management, breeding and rearing of domestic poultry, game and water fowl. There is an apiary and established colonies of wild and domesticated rodents.

SCHOOL OF PHYSICAL EDUCATION AND HUMAN MOVEMENT STUDIES

The major course in physical education is conducted in the Carnegie School of Physical Education (see separate section). It is flexibly organised with a unit structure to allow different degrees of specialisation in both theoretical and practical studies. Practical courses in human movement studies include the theory and practice of aquatics, athletics, games, gymnastics, dance, canoeing, sailing, rock-climbing and mountain activities. Theoretical courses in pure and applied human movement studies offer a perspective approach to the study of human performance in which biological, psychological, sociological and philosophical factors are studied in depth.

SCHOOL OF CREATIVE ARTS

Each of the four departments of art and craft, drama, music and craft and technical studies offers a major course. In addition there are

combined courses in which the student takes equal components of any two subjects in the first two years and specialises in one of the subjects in the third year. Candidates for a combined major course should show on their application forms the subjects they wish to combine: for example, Art and Craft/Drama.

ART AND CRAFT

The art and craft department has seven studios equipped for textile subjects, photography, print-making and graphics, two-dimensional studies, ceramics and three-dimensional design. In the first year all students study basic techniques, creative design and the history of art. In the second year they choose units of study from a wide variety of activities. Courses of lectures, discussions and visits to local exhibitions cover the historical, aesthetic and educational aspects of the activities.

DRAMA

Students study the nature and form of drama, closely allied to practical production work, vocal and acting techniques, improvisation and technical skills. Units include: costume and design; language study; movement; closed-circuit T.V./film; theories of drama; close examination of a large variety of plays. The work is not heavily biased to acting but rather to interpretation and the study of a number of the factors that contribute to the better understanding of drama. Facilities include a drama studio for class work and small-scale productions and a hall and stage for bigger presentations. Students may choose to follow a major course or combined major course as described above or a combined major course with English (see School of Humanities: English).

MUSIC

A practical and creative approach underlies the work of the music department. The units of study afford opportunity for students to develop personal interests varying from medieval to contemporary music, whilst also providing all the skills associated with good general musicianship. The course includes the study of instrumental (or vocal) performance to an advanced level, together with a subsidiary instrument (a new venture where appropriate). Some basic keyboard ability is required, and where necessary players of other instruments may take up piano playing from the beginning. Students participate as appropriate in ensemble, orchestral and choral work. Facilities include practice studios, a two-manual harpsichord, a virginal, a clavichord, a four-manual pipe organ and a two-manual practice organ. String, brass and woodwind instruments are available on loan. The department takes advantage of the considerable benefits afforded by the City of Leeds, one of the main centres of music in the north of England.

CRAFT AND TECHNICAL STUDIES

The College has a large and comprehensive craft and technical studies department with new and up-to-date accommodation and equipment, including workshops for woodworking, engineering, forging, casting, welding, silver-smithing, jewellery, enamelling and plating, and an engineering laboratory in which technology and its relationship with science is studied, all under the supervision of specialist tutors. Students take a general course in creative work during their first year, which involves a wide approach to craft practice in a variety of media, and a study of drawing and design. Drawing is considered important but is treated more as a means of communication, with the emphasis on the wider aspects of design, rather than according to the conventional technical drawing syllabuses. The wide and co-ordinated practice in craftwork and drawing is continued in the second and third years with the opportunity to specialise in two advanced crafts from wood, metal, plastics and silver-smithing and jewellery. The course is open to men and women.

AUDIO-VISUAL MEDIA

New technologies and theories of communication are transforming the way we live and have significant social and educational implications. With the considerable production facilities which the Audio-Visual Media Department offers, students are able to pursue both practical and theoretical studies into the nature and characteristics of various media.

BACHELOR OF EDUCATION HONOURS DEGREE

Students on the three-year course are eligible to register for the degree of Bachelor of Education with Honours of the University of Leeds, which is awarded after a fourth year course. Degree candidates must satisfy the general entrance requirement of the University of Leeds, but students may be allowed to take a special entrance examination during their first year at College.

Students who wish to take the degree should consult their personal tutors soon after entering College. Registration for the degree is made at the beginning of the second year. Registered students are encouraged to plan their studies for the degree, and they proceed to the fourth year of study if (1) they are qualified and registered before the end of the first year, and (2) they reach an approved standard in their examinations for the Certificate in Education or Bachelor of Education (Ordinary) degree. Each student takes two subjects in the fourth year, Education and his special subject, together with a study linking the two; the linking study is usually on some aspect of the teaching of the principal subject. Honours degree courses are provided in all the main subjects offered by the College.