

INTRODUCTION

1. The Directory of Postgraduate Courses lists those postgraduate certificate and postgraduate diploma courses, and Master's degree programmes which the College has validated and accredited, including those accredited by the Consortium for the Accreditation of Sonographic Education (CASE), by the Consortium for the Accreditation of Nuclear Medicine Education (CANME) and by the Consortium for the Accreditation of Clinical Magnetic Resonance Education (CACMRE).
2. The courses are listed in two separate indexes at the beginning of the directory by:
 - university
 - subject area
3. Those courses which do not assess clinical competence have been listed separately at the end of the index by subject area.
4. Four appendices are attached to the directory:
 - **Appendix A** - Centres approved to offer short courses endorsed by The College of Radiographers
 - **Appendix B** - Centres approved to offer post registration BSc(Hons) courses accredited by The College of Radiographers
 - **Appendix C** - Education Centres offering Dental Radiography Courses for Dental Nurses
 - **Appendix D** - Contact Addresses for all centres listed in the directory
5. Further advice and information may be obtained from a radiography education centre listed in this directory, or from:

Professional Support
The College of Radiographers
207 Providence Square
Mill Street
London
SE1 2EW

Tel: 020 7740 7200
Fax: 020 7740 7233

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ANGLIA POLYTECHNIC UNIVERSITY (Cambridge)

PgCert/PgDip/MSc Medical Imaging (Ultrasound/Magnetic Resonance Imaging)

Mode of Study:	Distance learning
Minimum Duration of:	PgCert: 12 months PgDip: 24 months MSc: 36 months
Number of Places Available:	Discretion of course tutors
Modules Available:	Scientific Principles of Ultrasound/MRI Clinical Applications I (Ultrasound or MRI) Clinical Applications II (Ultrasound or MRI) Clinical Applications III (Ultrasound or MRI) Clinical Applications IV (Ultrasound or MRI) Applied Research in Health Care Project

Students embarking on this programme may study either Ultrasound or MRI to Masters level with stopping off points at PgC/PgD level. The programme begins with a residential weekend and continues by distance learning providing the student with a framework for study. The largest part of the programme is devoted to the Clinical Applications modules which integrate the theory and practice of MRI/Ultrasound. Assessment is by portfolio evidencing achievement of learning outcomes and clinical competence is examined through appraisals. Students must spend an average minimum of eighteen hours per week scanning in a recognised placement during the course.

Students in possession of the DMU will be exempt from the Scientific Principles module and their supervisor appraisal is modified to accommodate their proven ability. Opportunities for accreditation of experiential learning exist in both pathways; students will be individually counselled.

The Applied Research in Health Care module leads the student towards the final project. Assessment is by collection of data in preparation for the research project. Academic supervisors will be allocated by the University and students will be encouraged to identify a local supervisor, advisor or subject specialist.

For further details contact:

Jon Svensson
Tel: 01223 363271 Ext. 2463 (24 hours)
Fax: 0870 0549626
E-mail: j.svensson@anglia.ac.uk

ANGLIA POLYTECHNIC UNIVERSITY (Cambridge)

PgCert/PgDip/MSc Radiography (Diagnostic or Radiotherapy)

Mode of Study:	Distance Learning
Minimum Duration:	PgCert: 12 months PgDip: 24 months MSc: 36 months
Number of Places Available:	Discretion of course tutors
Modules Available:	Moving Towards Mastery Applied Research in Healthcare Radiography, Inquiry and Practice I Radiography, Inquiry and Practice II Radiography, Inquiry and Practice III Master's Stage Dissertation

Students entering this programme will normally have been working in radiographic practice for a period of at least two years following qualification.

The design of this course is based on an identified need for a higher level degree which enable radiographers to explore, analyse and evaluate their clinical practice. Resource based guided study, on a distance learning basis, is felt to be the most appropriate method of offering a Master's level qualification to the radiographer in the department of today. This method of course delivery offers advantages to the student in that they can organise their own study *and* to the busy department as there is no compulsory attendance requirement.

This course offers the practising radiographer maximum flexibility of subject choice within a framework for study. The approach taken is largely determined by themselves but must be related to their clinical practice. This flexibility also affords an opportunity for radiographers to examine areas based on the needs of their department.

For further details contact:

Hazel Taylor/Jon Svensson
Tel: 01223 363271 Ext. 2461/2463 (24 hours)
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E-mail: HTaylor@anglia.ac.uk
E-mail: j.svensson@anglia.ac.uk

UNIVERSITY OF WALES, BANGOR
(at Wrexham)

MSc Programme including the following modules;

PgCert/PgDip/MSc Diagnostic Radiography
PgCert/PgDip/MSc Diagnostic Radiography (Trauma)
PgCert/PgDip/MSc Diagnostic Imaging (Fluoroscopic Imaging)
PgCert/PgDip Computed Tomography
PgCert/PgDip/MSc Medical Ultrasound
PgCert Obstetric Ultrasound

Mode of Study: Part time block release

Minimum Duration of: **PgCert:** 1 academic year
PgDip: 2 academic years
MSc: 3 academic years

Note; The Programme is also available to fulltime students, but please note that overseas students who wish to join the Ultrasound or Computed Tomography courses must negotiate their own UK clinical placements PRIOR to commencement.

Number of Places Available: 5 – 20 per module

Modules Available: Details of module combinations for each route are available on request

The programme is available to qualified radiographer and all routes include some element of assessed clinical practice. Radiographers who have studied modules or courses elsewhere may be eligible for accreditation of prior learning, including experimental learning.

For further information and an application pack please contact;

Senior Postgraduate Tutor

Tel: 01978 316200

Fax: 01978 316209

Email: rds405@bangor.ac.uk OR rds402@bangor.ac.uk

UNIVERSITY OF WALES, BANGOR
(at Wrexham)

Mphil/PhD

Mode of Study:	Part time or fulltime	
Minimum Duration;	PhD	Full time 3 years
		Part time 5 years
	Mphil	Full time 1 year
		Part time 2 years

Research degrees are available for those students wishing to develop a particular area of knowledge in greater depth, especially those who may be aspiring to advanced practitioner or consultant status. Those wishing to register directly for PhD must normally be in possession of a first degree with a classification of 2:1 or higher.

Further details and an application pack are available from

Senior Postgraduate Tutor

Tel: 01978 316205

Fax: 01978 316209

Email rds405@bangor.ac.uk OR rds402@bangor.ac.uk

UNIVERSITY OF BRADFORD

PgCert Computerised Tomography

Mode of Study:	Block release
Minimum Duration of:	11 months
Number of Places Available:	30
Modules available:	Computerised Tomography Principles and Protocols Clinical Computerised Tomography (1) Clinical Computerised Tomography (2)

The course has been designed around a modular format in accordance with the regulations of the University of Bradford, whereby a single module constitutes 100 hours of the student's learning time.

Other than satisfying its general admission requirements, the University of Bradford, due to its significant clinical component, requires candidates to have unobstructed access to clinical CT practice areas to which their study relates and to provide experience in this field.

The PgC is awarded upon successful completion of 3 double modules, each comprising 200 hours of student learning time. Student learning is assessed by an assignment, an examination and the completion of 10 case studies.

For further details contact:

Mandy Webster
Tel: 01274 236320
Fax: 01274 386390
E-mail: a.j.webster@bradford.ac.uk

UNIVERSITY OF BRADFORD

PgCert Magnetic Resonance Imaging

Mode of Study:	Part time/block release (five one week blocks)
Minimum Duration of:	11 months
Number of Places Available:	20
Modules available:	Magnetic Resonance Imaging - Principles and Protocols (double module) Clinical MRI (I) (double module) Clinical MRI (II) (double module)

The MRI course functions as a self contained programme of study within the postgraduate programme in Medical Imaging up to the level of PgC.

The course will commence in September and finish in August the following year and comprise five weeks of formal lectures delivered in the Radiography Education Centre, at intervals during the first five months of the course. The remainder of the course time is allocated to the completion of a record of clinical experience and the production of ten detailed case studies undertaken largely in the student's workplace.

The course is designed to:

- promote innovation and original thought
- enable the student to develop pattern recognition skills
- enable the student to evaluate the role of MRI and its interrelationship with complementary imaging modalities
- extend and deepen the student's knowledge and understanding of the application of the physical principles, current technology and the safe use of MRI

For further details contact:

Stephen Boynes
Tel: 01274 236317
Fax: 01274 386390
E-Mail: s.boynes@bradford.ac.uk

UNIVERSITY OF BRADFORD

PgCert Radiographic Image Interpretation

Mode of Study:	Block release
Minimum Duration of:	11 months
Number of Places Available:	12
Modules available:	Locomotor system - Theory (single module) Chest and abdomen - Theory (single module) Appendicular skeleton - Clinical (double module) Axial Skeleton - Clinical (double module)

The course is targeted towards clinical practitioners who are aspiring to advance their knowledge and understanding of radiographic image interpretation in relation to their clinical practice.

The theory modules have been developed to provide the framework on which the development of radiographic image interpretation and report writing skills can be based.

The clinical modules are devised to ensure the development of the work-based competencies required by the student in order to participate in image reporting in the accident and emergency department.

The course is run over eleven months and comprises of five weeks of formal lectures and tutorials delivered at intervals during the first six months of the course. During the time between lecture weeks and for the last five months of the course the student follows a structured clinical learning programme in their own hospital.

For further details contact:

Jonathan McConnell
Tel: 01274 236317
Fax: 01274 386390
E-mail: j.r.mcconnell@bradford.ac.uk

UNIVERSITY OF THE WEST OF ENGLAND (Bristol)

PG Dip/MSc Nuclear Medicine Technology

Mode of Study: Part time block release (3 day blocks), individual modules are available on a continuing professional development basis

Minimum Duration of: **PG Dip:** 18 months
MSc: 2 years

Number of Places Available: 12 -15 per intake

Modules Available:

PG Dip

- * Physical Principles of Nuclear Medicine
- * Clinical Skills in Nuclear Medicine Technology I
- * Clinical Skills in Nuclear Medicine Technology II
- * Applied Radiation Physics and Computing
- * Issues in Health and Social Care Research (Methods and Methodology)

Radiopharmacy
Technical Reporting for Nuclear Medicine

MSc

Dissertation
Issues in Research Design

* Core modules for the named award of Nuclear Medicine Technology

Optional modules to complete the 120 credits required for the Postgraduate Diploma

This course aims to provide a forum for the development and discussion of technological advances and an understanding of the science of applied nuclear medicine at postgraduate level. It will review core knowledge areas, extend the level of application and evaluate current clinical practice and future developments within the field of nuclear medicine. It will provide a consolidation of existing information and encourage investigation into the expansion of innovative clinical practice whilst providing the educational foundation appropriate to clinical service needs.

The development of a modular approach enables the student to select the modules most appropriate to their needs and their work commitments. The modules are designed to be accessible to nuclear medicine technologists and other health care professionals. There are a number of possible outcomes from this programme all credit rated towards PG Dip or masters degree qualification.

For further information and an application form contact:

Postgraduate Administrator
Tel: 0117 344 8555
Fax: 0117 344 8499
E-mail: HSC.Admissions@uwe.ac.uk

If you have a specific query about the course content please contact:

Ken Holmes
Tel: 0117 344 8413
Fax: 0117 344 8408
E-mail: Kenneth.Holmes@uwe.ac.uk

UNIVERSITY OF THE WEST OF ENGLAND (Bristol)

PG Cert/PG Dip/MSc Medical Ultrasound

Mode of Study:	Part time block release (3 days), a full time option may be available subject to demand. Qualified ultrasound practitioners can also access modules for continuing professional development.
Minimum Duration of:	PG Cert: 8 months PG Dip: 18 months MSc: 2 years
Numbers of Places Available:	15 per year
Modules Available:	PG Cert * Ultrasound Technology # Obstetric and Gynaecological Ultrasound or # General Medical Ultrasound or # Vascular Ultrasound PG Dip # Obstetric and Gynaecological Ultrasound (if not already studied) # General Medical Ultrasound (if not already studied) or # Vascular Ultrasound (if not already studied) or # Negotiated Specialist Ultrasound Practice * Health & Social Care Research: Methods and Methodologies MSc * Dissertation (60 credit) or * Dissertation (40 credit) and # Module Option

This programme offers an opportunity for health care practitioners to achieve a recognised qualification in obstetrics and gynaecological, vascular and/or general medical ultrasound, supported by a combination of structured clinical experience and academic study. There is also the opportunity for students to sub-specialise in a chosen area of ultrasound practice via a negotiated module. Accredited by the Consortium for the Accreditation of Sonographic Education (CASE) this programme has been designed to produce clinically competent advanced practitioners, who will be able to meet the needs of the service in a changing health care environment. The award was planned in full consultation with a wide range of relevant professionals from the South West region, who are experts in the field of diagnostic ultrasound or associated clinical specialisms. These experts will be instrumental in the delivery of the programme, along with experienced educationalists and ultrasound practitioners.

The award aims to provide; the knowledge and skills to practice in a safe and competent manner; the educational and research base to critically evaluate and inform ultrasound practice; the opportunity for inter-professional collaboration and shared learning; an understanding of the contribution of ultrasound to the overall management of the patient; a recognised qualification in ultrasound.

For further information and an application form contact:

Postgraduate Administrator
Tel: 0117 344 8536
Fax: 0117 344 8499
E-mail: HSC.Admissions@uwe.ac.uk

If you have a specific query about the course content please contact:

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Tel: 0117 344 8435
Fax: 0117 344 8408
E-mail: Tim.Palarm@uwe.ac.uk

UNIVERSITY OF THE WEST OF ENGLAND (Bristol)

PG Cert/PG Dip/MSc Trauma Radiography

Mode of Study:	Part time block release (2 day blocks), a full time option is available subject to demand, individual modules are available on a continuing professional development basis
Minimum Duration of:	PG Cert: 1 year PG Dip: 2 years MSc: 3 years
Number of Places Available:	12-15 per intake
Modules Available: * requires appropriate work placement	PG Cert * Management of Acute Trauma (20 credits) * Principles of Radiographic Interpretation and Evaluation (20 credits) * Radiographic Interpretation of Appendicular Trauma (20 credits) PG Dip Health and Social Care Research, Methods and Methodologies (20 credits) * Radiographic Interpretation and further investigations of Axial Trauma (changed module) (20 credits) Advanced Radiography Practice (20 credits) MSc Dissertation Module (60 credits)

The modular award is designed for practising radiographers who wish to enhance their professional status. The award is built on a sound foundation of both academic and experiential learning in an aspect of practice that will already be familiar to many radiographers. The detailed study of trauma radiography and its management will extend participants knowledge both in terms of breadth and of depth. The award was planned in conjunction with radiographers, radiologists and accident and emergency consultants. The Royal College of Radiologists participated in the validation event and the award is accredited by the College of Radiographers.

In devising this programme of study we have been very aware of the role of the specialist radiographer in practice and have taken care to include elements in the award that give the student: detailed knowledge of the mechanisms, consequences and diagnosis of acute trauma; the ability to critically evaluate the radiographic management of patients following acute trauma; the ability to make radiographic evaluations and describe radiographic abnormalities; the knowledge and skills to make an active contribution to professional research and development.

For further information and an application form contact:

Postgraduate Administrator

Tel: 0117 344 8555

Fax: 0117 344 8499

E-mail: HSC.Admissions@uwe.ac.uk

If you have a specific query about the course content please contact:

Julie Woodley

Tel: 0117 344 8528

Fax: 0117 344 8408

E-mail: Julie.Tonks@uwe.ac.uk

CANTERBURY CHRIST CHURCH UNIVERSITY COLLEGE

PgD/MSc Interprofessional Health & Social Care
or **Interprofessional Health & Social Care (Radiography)**
or **Radiography (Diagnostic or Therapeutic)**
PgC Workplace Learning and Assessment

Mode of Study: Modular, short block release/work place based/open/research

Minimum Duration of: **PgC:** 3 modules, 1 calendar year
PgD: 6 modules, 15 months (3 semesters)
MSc: 2 years (4 semesters) part time
1 year (full time)

Number of Places Available: 20 per cohort with entry twice per year in October and March

All modules can be undertaken as individual, stand alone modules

Modules Available:

Taught Modules

Interprofessionalism Work and Client Centred Practice
Developing a Research Proposal
Complexity in Health and Welfare Organisations
Community Orientations in Health and Welfare
Primary Care Strategies

Ethical Theories, Principles and Models
Politics and Ideology in Health and Social Care
Law and Ethics in Health and Social Care
European Social Welfare
International Perspectives on Health and Welfare
Social and Psychological Perspectives on Health and Illness
Epidemiology and Demography
Health Promotion and Education
Disability and Discrimination
Mind and Body
Gender, Culture and Health
Perspectives in Advanced Professional Practice
Professional Judgement and Decision Making
Evidence Based Practice
Quality Assurance and Audit in Professional Practice
Loss, Grief and Bereavement
Solution Focused Methods in Health and Social Care Practice
Advanced Care Management
Issues in Mental Health
Child Protection Theory and Practice
The Health and Welfare of the Older Person
Purchasing and Providing Services
Human Resource Management
The Management of Change
Service Planning and Marketing
Collaborative Working
Adult Learning in Professional Practice
The Assessment of Practice Competence
Teaching and Learning in the Workplace
Supervision in Practice
Developing Competence in Pharmacology and Prescribing

Research Modules

Open Modules - negotiated professional development including competence/skills development. Recent examples include abdominal ultrasound, venography, angiography, radiotherapy treatment review.

The MSc Interprofessional Health and Community Studies is a modular, part-time degree for health and social care professionals. The ethos of the course is the development of professional practice in the context of shared learning. There is particular emphasis on continuing professional development and opportunities to develop expertise in particular fields of practice. Students select an individual pathway from the large selection of interprofessional modules offered. Nine modules, including at least two by research, must be completed to gain the degree. Six to eight modules are offered each semester according to demand and the registration period for the MSc is between two and six years. Each module is valued at 20 credits and is individually assessed. There are no unseen examinations. Credit is stored and may be transferable in the event of a student being unable to complete the programme.

The course is open to all professionally qualified radiographers (diagnostic and radiotherapy) who have a minimum of two years experience and can demonstrate ability and motivation to study at master's level. Advanced standing of 30 specific credits is available to applicants who hold the modular HDCR. Other relevant, accredited courses will be considered for substitution through the APL/APEL route.

For further details contact:

Ms H Colyer

Tel: 01227 767700 ext 2535

Fax: 01227 451739

E-mail: h.m.colyer@cant.ac.uk

MPhil/PhD Students

The department of radiography welcomes enquiries from radiographers who are considering registering for an MPhil/PhD research degree on either a part-time or full-time basis. Enquiries should be directed to Audrey Paterson, Head of Department or Hazel Colyer, MSc Programme Director. An information pack and application form is also available from the Admissions Department (01227 767700 ext 2490). Prospective applicants should be able to show evidence of professional practice and study at least equivalent to 2 (i) degree or offer a first class or 2 (i) degree.

Normally candidates register initially for an MPhil and transfer to a PhD registration following submission of a satisfactory report towards the end of the first year of registration. Full or part-time registrations are welcomed.

The department provides help in developing a suitable research proposal based upon an applicant's initial ideas and work. Once a suitable research proposal has been agreed and a candidate has been registered, a team of three supervisors is appointed to support the candidate through the registration period. One member of the supervisory team will always be a radiographer from the department of radiography at Canterbury Christ Church University College.

CANTERBURY CHRIST CHURCH UNIVERSITY COLLEGE

PgD Clinical Reporting(Appendicular and Axial Skeleton) PgC Clinical Reporting (Appendicular Skeleton); PgC Clinical Reporting (Axial)

Mode of Study:	Part-time, work based
Minimum Duration of:	PgD: 18 months
Number of Places Available:	15 per cohort
Modules Available:	Foundations of Clinical Reporting Appendicular Skeleton I Appendicular Skeleton II Axial Skeleton I Axial Skeleton II Quality and Audit of Reporting in Practice

The programme aims to provide opportunities for practitioners to develop their professional development and gain a qualification in clinical reporting. The satisfactory completion of all six modules will attract 120 credits to gain the award of PgD Clinical reporting. Opportunities also exist for students to be awarded a PgC Clinical Reporting (Appendicular Skeleton) or (Axial Skeleton) if the foundations module is successfully completed together with the two appendicular skeleton or the two axial skeleton modules.

Assessment is by a combination of coursework including written reports, assignments and case studies, together with competence based objective structured examinations (OSE). The pass standards are 50% for the written work and for the OSE, 95 % agreement, in terms of sensitivity and specificity, with the opinion of the three independent radiological reports.

Applicants must have the support of their clinical department and a minimum of two years experience including participation in abnormality detection schemes.

For further details contact:

Mr K Piper
Tel: 01227 767700 ext 2425
Fax: 01227 451739
E-mail: k.j.piper@cant.uc.uk

THE UNIVERSITY OF CENTRAL ENGLAND IN BIRMINGHAM

PgC Radiography – Axial Reporting

Mode of Study:	Block release
Minimum Duration of:	2 semesters 1 year
Number of Places Available:	10
Compulsory Modules:	Principles and Practice of Axial Skeletal Reporting (double module) Foundations and Management of Image Reporting (double module)

This Postgraduate Pathway is validated as part of the Faculty's Postgraduate Masters level degree scheme and is designed to meet the needs of radiographers wishing to develop their role.

Both the double modules have been specifically designed to meet the needs of qualified practicing radiographers wishing to perform (Axial Reporting).

Successful completion of both double modules leads to the award of Postgraduate Certificate in Radiography (Axial Reporting)

Successful completion of a further four modules in the Postgraduate scheme, one of which must be the Methods of Research and Evaluation, leads to the award of Postgraduate Diploma in Radiography

On successful completion of the Postgraduate Diploma, students may attend research workshops and complete a research dissertation. This leads to the award MSc in Radiography.

The Society of Radiographers also offers a support service to clinical departments and radiographers by providing study sessions, seminars, short courses and tutorials in support of the Society of Radiographers Continuing Professional Development initiatives.

Students will normally be expected to hold either a first degree or equivalent qualification and have had a minimum of two years experience as a qualified practitioner.

For further details contact:

Nigel Foxon, Admissions Officer

Tel: 0121 331 6941

E-Mail: Nigel.foxon@UCE.ac.uk

School of Radiography (Diagnostic & Radiotherapy)

Tel: 0121 331 5507

Fax: 0121 331 6207

E-mail: Radiog.Staff@UCE.ac.uk

THE UNIVERSITY OF CENTRAL ENGLAND IN BIRMINGHAM

PgC Radiography - Appendicular Reporting

Mode of Study: Block release

Minimum Duration of: 2 semesters - 1 year

Number of Places Available: 10

Modules Available: Principles and Practice of Appendicular Skeletal Reporting (Double module)
Foundations and Management of Image Reporting (Double module)

This Postgraduate Pathway is validated as part of the Faculty's Postgraduate Masters level degree scheme and is designed to meet the needs of radiographers wishing to develop their role.

Both double modules have been specifically designed to meet the needs of qualified practicing radiographers wishing to perform Appendicular Reporting.

Successful completion of both double modules leads to the award of Postgraduate Certificate in Radiography (Appendicular Reporting).

Successful completion of a further four modules in the Postgraduate scheme, one of which must be the Methods of Research and Evaluation, leads to the award of Postgraduate Diploma in Radiography.

On successful completion of the Postgraduate Diploma, students may attend research workshops and complete a research dissertation. This leads to the award MSc in Radiography.

The School of Radiography also offers a support service to clinical departments and radiographers by providing study sessions, seminars, short courses and tutorials in support of the Society of Radiographers Continuing Professional Development initiatives.

Students will normally be expected to hold either a first degree or equivalent qualification and have had a minimum of two years experience as a qualified practitioner.

For further details contact:

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E-Mail: Radiog.Staff@UCE.ac.uk

THE UNIVERSITY OF CENTRAL ENGLAND IN BIRMINGHAM

PgC Radiography - Barium Enema

Mode of Study:	Block release
Minimum Duration of:	Certificate in Radiography (Barium Enema) 2 semesters
Number of Places Available:	10
Compulsory Modules:	Principles and Practice of the Double Contrast Barium Enema (double module) Foundations and Management of Image Reporting (double module)

This Postgraduate Pathway is validated as part of the Faculty's Postgraduate Masters level degree scheme and is designed to meet the needs of radiographers wishing to develop their role.

Both the double modules have been specifically designed to meet the needs of qualified practicing radiographers wishing to perform Barium Enema examinations.

Successful completion of both double modules leads to the award of Postgraduate Certificate in Radiography (Barium Enema) Students successfully completing the Principles and Practice of the Double Contrast Barium Enema double module are awarded the Certificate of Competence in Barium Enema.

Successful completion of a further four modules in the Postgraduate scheme, one of which must be the Methods of Research and Evaluation, leads to the award of Postgraduate Diploma in Radiography.

On successful completion of the Postgraduate Diploma, students may attend research workshops and complete a research dissertation. This leads to the award MSc n Radiography.

The School of Radiography also offers a support service to clinical departments and radiographers by providing study sessions, seminars, short courses and tutorials in support of the Society of Radiographers Continuing Professional Development initiatives.

Students will normally be expected to hold either a first degree or equivalent qualification and have had a minimum of two years experience as a qualified practitioner.

For further details contact:

Nigel Foxon, Admissions Officer

Tel: 0121 331 6941

E-Mail: Nigel.foxon@UCE.ac.uk

School of Radiography (Diagnostic & Radiotherapy)

Tel: 0121 331 5507

Fax: 0121 331 6207

E-mail: Radiog.Staff@UCE.ac.uk

THE UNIVERSITY OF CENTRAL ENGLAND IN BIRMINGHAM

PgC/PgD/MSc Medical Ultrasound

Mode of Study:	Day release, afternoon, evening
Minimum Duration of:	PgC: 2 semesters PgD: 18 months MSc: 24 months
Number of Places Available:	20
Units Available:	Physics and Technology of Ultrasound Management of the Ultrasound Service Obstetric Ultrasound Gynaecological and Obstetric Ultrasound Abdominal Ultrasound General Medical Ultrasound Clinical Module in Obstetric and Gynaecological Ultrasound Clinical Module in Abdominal and General Ultrasound Methods of Evaluation and Research Independent Study and Professional Development

Successful completion of four specified modules leads to the award of Postgraduate Certificate in Medical Ultrasound.

Successful completion of a further four specified modules leads to the award of Postgraduate Diploma in Medical Ultrasound.

On successful completion of the Postgraduate Diploma, students may attend research workshops and complete a research dissertation. This leads to the award of MSc in Medical Ultrasound.

Students will normally be expected to hold either a first degree or equivalent qualification and have had a minimum of two years experience as a qualified practitioner. To enable successful completion of the course the student must be able to spend a minimum of one day per week clinical module working and scanning in a medical ultrasound department.

For further details contact:

David Cole
Tel: 0121 331 5507/6206
Fax: 0121 331 6207
E-Mail: david.cole@uce.ac.uk

THE UNIVERSITY OF CENTRAL ENGLAND IN BIRMINGHAM

PgC/PgD/MSc Radiography

Mode of Study: Afternoon/evening/block release (depending on module)

Minimum Duration of:
PgC: 3 years
PgD: 5 years
MSc: 6 years

Number of Places Available: 20

Modules Available: Management of Quality for Health Care Professionals
Evaluating Clinical Practice
Principles and Applications of MRI
Clinical Practice of MRI
Independent Study and Professional Development
CT Imaging Science
CT Applications
Forensic Radiography
Paediatric Imaging
Ethical and Legal Issues in Advanced Practice
^Imaging for Radiotherapy and Oncology
+Principles and Practice of the Double Contrast Enema
\$Principles and Practice of Appendicular Skeletal Reporting
\$\$Principles and Practice of Axial Skeletal Reporting
++Principles and Practice of Intravenous Urography
\$\$\$Foundation and Management of Image Reporting
An introduction to Image Interpretation of the Chest and Abdomen
*Methods of Research and Evaluation

^ Therapeutic Radiographers only

+ \$\$\$ **Compulsory** double for the PgC in Radiography (Barium Enema)

\$ \$\$\$ **Compulsory** double modules for the PgC in Radiography (Appendicular Reporting)

\$\$ \$\$\$ **Compulsory** modules for the PgC in Radiography (Axial Reporting)

++ \$\$\$ **Compulsory** double modules for the PgC in Radiography (Intravenous Urography)

* This a compulsory module for the award of Postgraduate Diploma

Successful completion of four modules leads to the award of Postgraduate Certificate in Radiography. Successful completion of a further four modules in the Postgraduate scheme, one of which must be the Methods of Research and Evaluation, leads to the award of Postgraduate Diploma in Radiography.

On successful completion of the Postgraduate Diploma, students may attend research workshops and complete a research dissertation. This leads to the award MSc in Radiography

The School of Radiography also offers a support service to clinical departments and radiographers by providing study sessions, seminars, short courses and tutorials in support of the Society of Radiographers Continuing Professional Development initiatives.

Students will normally be expected to hold either a first degree or equivalent qualification and have had a minimum of two years experience as a qualified practitioner.

For further details contact:

Nigel Foxon, Admissions Officer

Tel: 0121 331 6941

E-Mail: Nigel.foxon@UCE.ac.uk

School of Radiography (Diagnostic & Radiotherapy)

Tel: 0121 331 5507

Fax: 0121 331 6207

E-Mail: Radiog.Staff@UCE.ac.uk

THE UNIVERSITY OF CENTRAL ENGLAND IN BIRMINGHAM

PgD in Radiography Image Reporting

Mode of Study:	Block release
Minimum Duration of:	Pg Diploma 3years
Number of Places Available:	10
Compulsory Modules:	Principles and Practice of Appendicular Skeletal Reporting (double module) Reporting (double module) Principles and Practice of Axial Skeletal Reporting (double award) Foundation and Management of Image Reporting (double module) Methods of Research and Evaluation Introduction to Image Interpretation of the Chest and Abdomen

This Postgraduate Diploma is validated as part of the Faculty's Postgraduate Masters level degree scheme and is designed to meet the needs of radiographers wishing to develop their role as Image Reporters.

The double modules have been specifically designed to meet the needs of qualified practicing radiographers wishing to perform Appendicular and Axial Reporting.

The Introduction to Image Interpretation of the Chest and Abdomen is a single module. It does not give students the skills to write formal reports on images of the chest and abdomen but is designed to give students the skills to write formal reports on images of the chest and abdomen but is designed to give students an insight into the processes involved when reporting on images of the chest and abdomen.

The Methods of Research and Evaluation is a single module. It is a compulsory module because it gives students skills required to write a dissertation.

On successful completion of the Postgraduate Diploma, students may attend research workshops and complete a research dissertation. This leads to the award MSc n Radiography.

The School of Radiography also offers a support service to clinical departments and radiographers by providing study sessions, seminars, short courses and tutorials in support of the Society of Radiographers Continuing Professional Development initiatives.

Students will normally be expected to hold either a first degree or equivalent qualification and have had a minimum of two years experience as a qualified practitioner.

For further details contact:

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E-Mail: Nigel.foxon@UCE.ac.uk

School of Radiography (Diagnostic & Radiotherapy)

Tel: 0121 331 5507

Fax: 0121 331 6207

E-mail: Radiog.Staff@UCE.ac.uk

THE UNIVERSITY OF CENTRAL ENGLAND IN BIRMINGHAM

PgC in Radiography (Intravenous Urography)

Mode of Study:	Block release
Minimum Duration of:	PgC: 2 semesters – 1 year
Number of Places Available:	10
Compulsory Modules:	Principles and Practice Intravenous Urography (double module) Foundations and Management of Image Reporting (double module)

This Postgraduate Pathway is validated as part of the Faculty's Postgraduate Masters level degree scheme and is designed to meet the needs of radiographers wishing to develop their role.

Both the double modules have been specifically designed to meet the needs of qualified practicing radiographers wishing to perform Intravenous Urography.

Successful completion of both double modules leads to the award of Postgraduate Certificate in Radiography (Intravenous Urography)

Successful completion of a further four modules in the Postgraduate scheme, one of which must be the Methods of Research and Evaluation, leads to the award of Postgraduate Diploma in Radiography.

On successful completion of the Postgraduate Diploma, students may attend research workshops and complete a research dissertation. This leads to the award MSc n Radiography.

The School of Radiography also offers a support service to clinical departments and radiographers by providing study sessions, seminars, short courses and tutorials in support of the Society of Radiographers Continuing Professional Development initiatives.

Students will normally be expected to hold either a first degree or equivalent qualification and have had a minimum of two years experience as a qualified practitioner.

For further details contact:

Nigel Foxon, Admissions Officer

Tel: 0121 331 6941

E-Mail: Nigel.foxon@UCE.ac.uk

School of Radiography (Diagnostic & Radiotherapy)

Tel: 0121 331 5507

Fax: 0121 331 6207

E-mail: Radiog.Staff@UCE.ac.uk

CITY UNIVERSITY (London)

PgC/PgD/MSc Medical Ultrasound

Mode of Study:	Part time, day release
Minimum Duration of:	PgC: 12 months PgD: 18 months MSc: 30 months
Number of Places Available:	15
Modules Available:	PgC Basic Physics and Equipment for Ultrasound Professional Practice Obstetrics and Gynaecological Ultrasound or General Medical Ultrasound PgD Basic Physics and Equipment for Ultrasound Professional Practice Obstetrics and Gynaecological Ultrasound General Medical Ultrasound Advanced Equipment Technology Research Methods MSc (as PgD plus): Dissertation

This is a multidisciplinary course available to radiographers, midwives and other healthcare workers involved in the field of medical ultrasound. The course has been designed to develop the students' skills in analysis and evaluation of their practice allowing them to undertake leading roles in their units.

Applicants for the course must have suitable clinical placements where they will be able to gain an average of 3 days clinical experience per week during the course. The course is delivered using a wide range of teaching, learning and assessment methods and clinical assessment forms a major part of the course.

For further details contact:

Jennifer Edie/ Gill Harrison
Tel: 0207 040 5678
Fax: 0207 040 5691
E-mail: j.c.edie@city.ac.uk/ g.harrison@city.ac.uk

CITY UNIVERSITY (London)

MSc Medical Ultrasound (for holders of the DMU)

Mode of Study:	Part time, day release
Minimum Duration of:	24 months
Number of Places Available:	10
Modules Available:	Professional Practice in Ultrasound or Advances in Equipment & Technology for ultrasound Research Methods Dissertation plus one from a choice of: Management Student Negotiated Module Medical Ethics Evidence based practice

This course has been designed specifically for those sonographers who hold the Diploma in Medical Ultrasound and wish to extend their experience to Masters level, in order that they will be able to contribute to the work within their field of ultrasound and take on the extended role required of them. These candidates may gain exemption from a number of modules on the PgD/MSc course in Medical Ultrasound and can obtain the MSc by completing 3 modules and a dissertation. The course is delivered using a wide range of teaching, learning and assessment methods.

For further details contact:

Jennifer Edie/ Gill Harrison

Tel: 0207 040 5678

Fax: 0207 040 5691

E-mail: j.c.edie@city.ac.uk/ g.harrison@city.ac.uk

CITY UNIVERSITY (London)

PgC Radionuclide Imaging PgD/MSc Nuclear Medicine Technology

Mode of Study: Part time, day release

Minimum Duration of: **PgC:** 12 months
PgD: 18 months
MSc: 30 months

Number of Places Available: 15

Modules Available: **PgC**
Science and Instrumentation
Principles and Practice of Radionuclide Imaging 1
Principles and Practice of Radionuclide Imaging 2
PgD (as PgC plus)
Further Technologies in Nuclear Medicine
Developments in Nuclear Medicine
Research Methods
MSc (as PgD plus)
Dissertation

This is a multi-disciplinary course available to radiographers and nuclear medicine technicians involved in the field of nuclear medicine. It is designed to develop the students' skills in analysis and evaluation of their practice allowing them to undertake leading roles in their units.

Applicants for the course must have suitable clinical placements where they will be able to gain an average of 3 days clinical experience per week during the course. The course is delivered using a wide range of teaching, learning and assessment methods and clinical assessment forms a major part of the course.

For further details contact:

Jennifer Edie/Sue Huggett
Tel: 0207 040 5678
Fax: 0207 040 5691
E-mail: j.c.edie@city.ac.uk/ s.m.huggett@city.ac.uk

CITY UNIVERSITY (London)

MSc Nuclear Medicine Technology (for holders of the DRI, IPSM Diploma in NM and overseas qualifications by agreement)

Mode of Study:	Part time, day release
Minimum Duration of:	24 months
Number of Places Available:	10
Modules Available:	Developments in Nuclear Medicine Research Methods Dissertation plus one from a choice of: Biological Basis of Radiation Protection Comparative Imaging Digital Imaging Management Student Negotiated Module

This course has been designed specifically for those radiographers or technicians who hold an initial qualification in nuclear medicine and wish to extend their studies to Masters level. Students are encouraged to contribute to the work within their field of nuclear medicine and take on extended roles required of them. These candidates may gain exemption from a number of modules on the PgD/MSc course in Nuclear Medicine Technology and can obtain the MSc by completing 3 modules and a dissertation. The course is delivered using a wide range of teaching, learning and assessment methods.

For further details contact:

Jennifer Edie/Sue Huggett
Tel: 0207 040 5678
Fax: 0207 040 5691
E-mail: j.c.edie@city.ac.uk/ s.m.huggett@city.ac.uk

CITY UNIVERSITY (London)

PgC/PgD/MSc Radiography (Diagnostic Imaging)

Mode of Study:	Part-time, day release
Minimum Duration of:	PgC: 12 months PgD: 18 months MSc: 24 months
Number of Places Available:	15
Modules Available:	Biological Basis of Radiation Protection Comparative Imaging Digital Imaging Education in the Workplace Emergency Care Evidence-Based Practice Health Care Issues Management Medical Ethics & Decision Making Paediatric Health Care Research Methods Student Negotiated Module Total Quality Management Dissertation# # compulsory module for MSc

This course is designed with the purpose of developing the students so that they are able to take on an extended role and contribute to future developments within Diagnostic Imaging. The course is delivered using a wide range of teaching, learning and assessment methods.

The modular format of this course allows students a degree of flexibility in their study patterns and the options that they study. The course is offered on a part-time, day release basis and students have to complete 3 modules for a Postgraduate Certificate, 6 modules for a Postgraduate Diploma and 6 modules plus a dissertation for the Masters degree.

Credit exemptions are available for those candidates who hold relevant experience and qualifications.

For further details contact:

Jennifer Edie/ Tricia Fillis
Tel: 0207 040 5678
Fax: 0207 040 5691
E-Mail: j.c.edie@city.ac.uk/p.a.fillis@city.ac.uk

CITY UNIVERSITY (London)

PgC/PgD/MSc Radiography (Radiotherapy)

Mode of Study:	Part-time, day release
Minimum Duration of:	PgC: 12 months PgD: 18 months MSc: 24 months
Number of Places Available:	15
Modules Available:	Biological Basis of Radiation Protection Education in the Workplace Evidence-Based Practice Health Care Issues Imaging for Radiotherapy Management Medical Ethics & Decision Making Paediatric Health Care Research Methods Student Negotiated Module Total Quality Management Dissertation# # compulsory module for MSc

This course is designed with the purpose of developing the students so that they are able to take on an extended role and contribute to future developments within Radiotherapy. The course is delivered using a wide range of teaching, learning and assessment methods.

The modular format of this course allows students a degree of flexibility in their study patterns and the options that they study. The course is offered on a part-time, day release basis and students have to complete 3 modules for a Postgraduate Certificate, 6 modules for a Postgraduate Diploma and 6 modules plus a dissertation for the Masters degree.

Credit exemptions are available for those candidates who hold relevant experience and qualifications.

For further details contact:

Jennifer Edie/Tricia Fillis
Tel: 0207 040 5678
Fax: 0207 040 5691
E-Mail: j.c.edie@city.ac.uk/p.a.fillis@city.ac.uk

CITY UNIVERSITY (London)

PgC/PgD/MSc Radiography (Principles of Computed Tomography)

Mode of Study: Part-time, day release

Minimum Duration of: **PgC:** 12 months
PgD: 18 months
MSc: 24 months

Number of Places Available: 15

Modules Available: Biological Basis of Radiation Protection
Clinical Applications of Computed Tomography*
Comparative Imaging
Digital Imaging
Education in the Workplace
Emergency Care
Evidence-Based Practice
Health Care Issues
Management
Medical Ethics & Decision Making
Paediatric Health Care
Research Methods
Science & Instrumentation of Computed Tomography*
Student Negotiated Module
Total Quality Management
Dissertation#

* compulsory modules for all levels of award

compulsory module for MSc

This course is designed with the purpose of developing the students so that they are able to take on an extended role and contribute to future developments within Computed Tomography. The course is delivered using a wide range of teaching, learning and assessment methods.

The modular format of this course allows students a degree of flexibility in their study patterns and the options that they study. The course is offered on a part-time, day release basis and students have to complete 3 modules for a Postgraduate Certificate, 6 modules for a Postgraduate Diploma and 6 modules plus a dissertation for the Masters degree. Students must be able to obtain clinical experience within a CT unit during this course.

Credit exemptions are available for those candidates who hold relevant experience and qualifications.

For further details contact:

Jennifer Edie/Tricia Fillis

Tel: 0207 040 5678

Fax: 0207 040 5691

E-Mail: j.c.edie@city.ac.uk/ p.a.fillis@city.ac.uk

CITY UNIVERSITY (London)

PgC/PgD/MSc Radiography (Principles of Medical Magnetic Resonance)

Mode of Study: Part-time, day release

Minimum Duration of: **PgC:** 12 months
PgD: 18 months
MSc: 24 months

Number of Places Available: 15

Modules Available: Biological Basis of Radiation Protection
Clinical Applications of Medical Magnetic Resonance*
Comparative Imaging
Digital Imaging
Education in the Workplace
Emergency Care
Evidence-Based Practice
Health Care Issues
Management
Medical Ethics & Decision Making
Paediatric Health Care
Physics and Instrumentation of Medical Magnetic Resonance *
Research Methods
Student Negotiated Module
Total Quality Management
Dissertation#

* compulsory modules for all levels of award

compulsory module for MSc

This course is designed with the purpose of developing the students so that they are able to take on an extended role and contribute to future developments within Magnetic Resonance Imaging. The course is delivered using a wide range of teaching, learning and assessment methods.

The modular format of this course allows students a degree of flexibility in their study patterns and the options that they study. The course is offered on a part-time, day release basis and students have to complete 3 modules for a Postgraduate Certificate, 6 modules for a Postgraduate Diploma and 6 modules plus a dissertation for the Masters degree. Students must be able to obtain clinical experience within an MRI unit during the course.

Credit exemptions are available for those candidates who hold relevant experience and qualifications.

For further details contact:

Jennifer Edie/Tricia Fillis

Tel: 0207 040 5678

Fax: 0207 040 5691

E-Mail: j.c.edie@city.ac.uk/ p.a.fillis@city.ac.uk

CRANFIELD UNIVERSITY - ROYAL MILITARY COLLEGE OF SCIENCE (Shrivenham)

PgC/PgD/MSc Medical Ultrasound

Mode of Study:	Day release
Minimum Duration of:	PgC: 12 Months PgD: 18 months
Number of Places Available:	18
Modules Available:	Research Practice & Clinical Governance Physics and Instrumentation Obstetrics Ultrasound General Medical Ultrasound Gynaecological Ultrasound Vascular Ultrasound Dissertation

Course Structure: Applicants for the course must have suitable clinical placements where they will be able to gain a minimum of 2 days clinical experience per week. The course acknowledges, and indeed will make use of the fact that suitable students are already competent professional practitioners who have a wealth of experience to bring to their studies.

The programme is based on three 10-week terms in each year, giving 180 hours per year of academic work. In addition there is a clinical practice component of some 525 hours for each of the practice based modules, under the supervision of a suitably qualified member of staff. Assessment will be by a combination of examinations, case studies, student presentations, essays and clinical assessments.

Entry Requirements: A first degree or other academic or professional qualification judged to be equivalent. In addition, it is expected that applicants will have had at least 2 years relevant experience.

Facilities: Shrivenham campus has unique recreational and educational facilities to which all students have access.

For further details contact:

Postgraduate Admissions Office
Tel: 01793 785714/785695 (24 hr)
Fax: 01793 783192

OR Vivien Gibbs
Tel: 01793 785496
E-mail: v.gibbs@rcms.cranfield.ac.uk

UNIVERSITY OF DERBY

MSc Breast Diagnosis (Imaging)
PG Diploma in Breast Diagnosis (Imaging)
PG Certificate in Mammographic Practice

Mode of Study: Part time
Minimum Duration of: 12 months
Number of Places Available:

Modules available: **PG Certificate in Mammographic Practice**
Mammography Practice*
The Theory of Breast Diagnosis*
Using Research at Work: towards informed practice
Image Interpretation and Analysis
(* should be studied concurrently)

Contact: Programme Leader at Nottingham International Breast Screening Training Centre
Tel: 0115 969 1689

PG Diploma in Breast Diagnosis (Imaging)
Research Methods (core)
Principles of Ultrasound (core)
Ultrasound of the Breast (theory and practice) (core)
Advanced Clinical practice (optional)
Work-based Learning – negotiated module (optional)
Supporting Clinical Learning (optional)
Counselling Psychology (optional)

MSc Breast Diagnosis (Imaging)
Independent Study

For Further details on the PG Diploma and Masters contact:
Mammography Programme Leader: Tel 01332 254635

This programme has been developed jointly by Nottingham National Breast Screening Training Centre and the University of Derby and is validated by The College of Radiographers. It aims to meet the development needs of radiographers in mammography and enable them to contribute more effectively in the diagnostic process.

This flexible programme can be joined at any time in the academic year and the majority of modules can be taken independently.

PgC/PgD/MSc Medical Ultrasound

Mode of Study:	PgC: open learning - 1 day per month attendance PgD: open and distance learning, with tutorial support
Minimum Duration of:	PgC: 12 months PgD: 12 months MSc: 24 months
Number of Places Available:	Maximum of 12 students per clinical module
Modules available:	<u>Theoretical</u> Principles of Ultrasound Technology of Ultrasound Using Research at Work Other postgraduate modules as available through the University <u>Clinical</u> Echocardiography Obstetrics and Gynaecology General Abdominal Advanced Practice in Ultrasound

The course offered by the University of Derby has been designed by sonographers for sonographers. Representatives from all clinical and scientific specialisms are actively involved in delivery and review of modules. Each subject area is modular and credits from each module can be gained at the student's own pace. It is expected that gaining a Masters degree will take between 2 and 5 years depending on previous experience and qualifications. The University of Derby recognises both prior learning and prior experience when deciding the appropriate entry level for each student. Recognising that clinical practice is vital to sonographers, an essential component of learning during the clinical modules is scanning at the student's place of work or placement. For this reason students are required to have access to ultrasound scanning in their own department. Where an applicant has not got a placement it may be possible to arrange access.

For further details contact:

Ann Minton
Tel: 01332 254635
Fax: 01332 295652
E-mail: A.M.Minton@derby.ac.uk

UNIVERSITY OF DERBY

PgC in Osteoporosis

Mode of Study: Distance Learning

Number of Places Available: 20

Modules available:

1. The Science and Instrumentation of Bone Densitometry
2. Improving Bone Health: Promotion and Education within the primary care and clinical setting
3. Clinical Considerations of Osteoporosis (practice)
4. Diagnosis and Management of Osteoporosis (theory)
5. Research at work

Competency based award in the diagnosis and management of osteoporotic disease. This multi-disciplinary award provides a distance learning programme for health care professionals who wish to develop their understanding of this complex bony disease.

For further details contact:

Geoff Glover
Tel: 01332 254635
Fax: 01332 254894
E-mail: G.A.Glover@derby.ac.uk

GLASGOW CALEDONIAN UNIVERSITY

**PgCert/PgDip/ Radiographic Image interpretation
Magnetic Resonance Imaging (CACMRE accredited)
Radiation Oncology Science**

(Pathway can be designed by student, through credit accumulation students can progress to MSc).

**MSc Diagnostic Imaging
MSc in Radiation Oncology Science**

Mode of Study:	Block/day/evening release
Minimum Duration:	PgCert: 12 months PgDip: 24 months MSc: 36 months (all variable according to exit point).
Number of Places Available:	12-25 per module
Modules Available:	Radiographic Image Interpretation. MRI Essential Concepts Radiotherapy Planning and Imaging Evaluation of Practice Implementing Clinical Effectiveness Radiotherapy Treatment Review MRI Advanced Concepts Dissertation

The programme is validated and conforms to the Scottish Credit and Qualifications Framework (SCQF).

Post-graduate Certificate – 60 M Level Credit Points

Post-graduate Diploma - 120 M Level Credit Points

Master of science - 180 M Level Credit Points (Include. 60 from Dissertation)

Applicants will already be a State Registered Radiographer or suitably qualified healthcare professional.

The programme has been developed to provide a framework for post-graduate study, which offers radiographers the opportunity to enhance and extend their skills in relation to the management, development and delivery of quality care. In addition, the framework will enable the practitioner to develop their academic and intellectual capacity by addressing a process of scientific enquiry related to the evaluation of radiographic practice.

The programme aims to support the professional development of radiographers and other health professionals for advanced practice and equip them with advanced theoretical knowledge and the ability to adopt an analytical and critical approach to independent learning. In so doing, the programme will produce graduates who can demonstrate their ability to be evaluative, innovative and analytical in their approach to practice.

For further details contact:

Yvonne Delaney

Tel: 0800 027 9171

E-mail: Y.Delaney@gcal.ac.uk or visit website <http://www.gcal.ac.uk/shsc/Programmes.htm>

Programme Organiser

Cathy Meredith

Senior Lecturer, Radiography, School of Health & Social Care

Tel – 0141 331 8122. e-mail C.Meredith@gcal.ac.uk

Glasgow Caledonian University
Division of Radiography
School of Health and Social Care
Govan Mbeki Building
Glasgow Caledonian University
G4 0BA
Tel: 0141 331 8131

UNIVERSITY OF HERTFORDSHIRE (Hatfield)

PgC/PgD/MSc Medical Imaging Science

Mode of Study: Part time - block release

Minimum Duration of: **PgC:** 12 months
PgD: 12 months
MSc: 24 months

Number of Places Available: 20

Modules Available: (M level credit point value in parenthesis)

- Science of Ultrasound (30)
- Professional Issues in Ultrasound (15)
- Research and Assessment of Health Technology (15)
- Obstetric & Gynaecological Ultrasound (15)
- General Medical Ultrasound (15)
- Vascular Ultrasound (15)
- Principles and Practice of RNI (30)
- Science of Nuclear Medicine (15)
- Radiation protection in Nuclear Medicine (15)
- Applied Practices in Nuclear Medicine (15)
- Science of MRI (30)
- Applications of MRI (15)
- Advances in MR (15)
- Sectional Imaging (15)

Research Project/Dissertation (60)

Course Structure: - The attendance requirement for PgC and PgD will vary depending on the courses chosen for study. Students may undertake courses within a flexible sequence and timescale, in order to best meet their own requirements. Some combinations will not be available for logistical reasons. A clinical commitment is not required for any of the above courses although in certain courses it will enhance the student's knowledge and understanding if there is access to a clinical site to observe the speciality. Completion of the MSc involves university attendance equivalent to 2 weeks plus supervisory research tutorials by arrangement with a project supervisor.

Satisfactory completion of modules to the value of 180 credit point to include submission of a satisfactory research project/dissertation will lead to an award of an MSc. Satisfactory completion of modules to the value of 120 credit points will lead to the award of PgD. The PgC will be awarded for satisfactory completion of modules to the value of 60 credit points.

Entry Requirements: - Either a BSc (Hons) in a clinical science subject or an appropriate professional qualification, both with clinical experience. Exemption from part of the course is possible for suitably qualified practitioners.

Assessment: - A variety of assessment methods will be used including essays, case studies, presentations, examinations and a research project/dissertation.

Facilities: - All the University facilities will be available for the use of students throughout the course. These include a state of the art Learning Resources Centre (LRC) which provides integrated computing, library and media services; student's union and associated facilities and sports hall. Residential accommodation may be available.

For further details contact:

Regina Fernando
Tel: 01707 284 966
Fax: 01707 284 977
E-mail: R.B.Fernando@herts.ac.uk

UNIVERSITY OF HERTFORDSHIRE (Hatfield)

PgC/PgD/MSc Oncological Science

Mode of Study: Part time - day release, evenings and Saturdays

Minimum Duration of: **PgC:** 12 months
PgD: 24 months
MSc: 24 months

Number of Places Available: 20

Modules Available:

(M level credit point value in parenthesis)

- Radiobiology and the biology of cancer (15)
- Research Methods & Assessment of Health Technology (15)
- Imaging and localisation in radiotherapy (15)
- Radiotherapy planning and dosimetry (15)
- Radiation protection in radiotherapy (15)
- Brachytherapy (15)
- Quality in Radiotherapy (15)
- Management of patient care in the radiotherapy department(15)
- Treatment of cancer (15)
- Psycho-oncology (15)

Research Project/Dissertation (60)

Course Structure: - The scheme is designed so that students may choose to undertake modules which support either a predominantly scientific/technological role or patient management role; students may of course continue to follow a more traditional radiographic role by choosing a mixture of modules which blend care and science. Students also have the opportunity to undertake other modules to a value of 30 M level credit points from the portfolio of modules offered by the university.

Satisfactory completion of modules to the value of 180 credit point to include submission of a satisfactory research project/dissertation will lead to an award of an MSc. Satisfactory completion of modules to the value of 120 credit points will lead to the award of PgD. The PgC will be awarded for satisfactory completion of modules to the value of 60 credit points.

Entry Requirements: - Either a BSc (Hons) in a clinical science subject or an appropriate professional qualification, both with clinical experience. Exemption from part of the course is possible for suitably qualified practitioners.

Assessment: - A variety of assessment methods will be used including essays, case studies, presentations, examinations and a research project/dissertation.

Facilities: - All the University facilities will be available for the use of students throughout the course. These include a state of the art Learning Resources Centre (LRC) which provides integrated computing, library and media services; student's union and associated facilities and sports hall. Residential accommodation may be available.

For further details contact:

Tel: 01707 285 088
E-mail: J.High@herts.ac.uk

UNIVERSITY OF HERTFORDSHIRE (Hatfield)

PgD/MSc Medical Imaging Science (MRI)

Mode of Study:	Part time - block release
Minimum Duration of:	PgD: 12 months MSc: 24 months
Number of Places Available:	20
Modules Available: (M level credit point value in parenthesis)	Research and Assessment of Health Technology (15) Science of MRI (30) Applications of MRI (15) Advances of MR (15) Sectional Imaging (15) Clinical Practice of MR (30) Research Project/Dissertation (60)

Course Structure: - The first year consists of 7 taught weeks interspersed within a 12 month period of clinical practice. The second year consists of university attendance equivalent to 2 weeks plus supervisory research tutorials by arrangement with a project supervisor. Satisfactory completion of modules to the value of 180 credit points to include submission of a satisfactory research project/dissertation will lead to an award of an MSc. Satisfactory completion of modules to the value of 120 credit points will lead to the award of a PgD.

Entry Requirements: - Either a BSc (Hons) in a clinical science subject or an appropriate professional qualification, both with clinical experience. Exemption from part of the course is possible for suitably qualified practitioners. An approved clinical placement site is an essential pre-requisite for acceptance on the course. *Please note that the named route in MRI is only available for PgD and MSc as these awards contain a clinical practice element. Students who are currently unable to get a clinical placement may take 4 non clinical modules from the MRI route and be awarded a postgraduate certificate in Medical Imaging Science. If a clinical placement subsequently becomes available these modules will be considered for a postgraduate diploma in the named route.*

Assessment: - A variety of assessment methods will be used including case studies, clinical portfolio, presentations, OSCE, examinations and a research project/dissertation. Appraisal and assessment of clinical practice will occur via the clinical portfolio in the first year.

Facilities: - All the University facilities will be available for the use of students throughout the course. These include a state of the art Learning Resources Centre (LRC) which provides integrated computing, library and media services; student's union and associated facilities and sports hall. Residential accommodation may be available.

For further details contact:

Martin Vosper
Tel: 01707 284 964
Fax: 01707 284 977
E-mail: M.R.1.VOSPER@herts.ac.uk

UNIVERSITY OF HERTFORDSHIRE (Hatfield)

PgC/PgD/MSc Medical Imaging Science (Ultrasound)

Mode of Study: Part-time - Block release

Minimum Duration of: **PgC:** 12 months
PgD: 12 months
MSc: 24 months

Number of Places Available: 20

Modules Available: Science of Ultrasound (30)
(M level credit Professional Issues in Ultrasound (15)
point value in parenthesis) Research & Health Technology Assessment (15)
Obstetric Ultrasound (15)
Gynaecology Ultrasound (15)
General Medical Ultrasound (15)
The Clinical Practice of General Medical Ultrasound (15)
Vascular Ultrasound (15)
Clinical Practice of Vascular Ultrasound (15)

Research Project/Dissertation (60)

Course Structure: - The first year consists of a total of 7 taught weeks interspersed with seven blocks of clinical placements. The second year consists of university attendance equivalent to 2 weeks plus supervisory research tutorials by arrangement with a project supervisor. Satisfactory completion of modules to the value of 180 credit points including the submission of a satisfactory research project/dissertation will lead to an award of an MSc. Satisfactory completion of modules to the value of 120 credit points will lead to the award of PgD. The PgC will be awarded for satisfactory completion of modules to the value of 60 credit points.

Entry Requirements: - Either a BSc (Hons) in a clinical science subject or an appropriate professional qualification, both with clinical experience. Exemption from part of the courses is possible for suitably qualified practitioners. An approved clinical placement site is an essential pre-requisite for acceptance on the course.

Assessment: - A variety of assessment methods will be used including essays, case studies, presentations, examinations and a research project/dissertation. Appraisal and assessment of clinical practice will occur in the first year.

Facilities: - All the University facilities will be available for the use of students throughout the course. These include a state of the art Learning Resources Centre (LRC) which provides integrated computing, library and media services; student's union and associated facilities and sports hall. Residential accommodation may be available.

For further details contact:

Regina Fernando
Tel: 01707 284 966
Fax: 01707 284 977
E-mail: R.B.Fernando@herts.ac.uk

UNIVERSITY OF HERTFORDSHIRE (Hatfield)

PgD/MSc Medical Imaging Science (Nuclear Medicine)

Mode of Study:	Part time - block release
Minimum Duration:	PgD: 12 months MSc: 24 months
Number of Places Available:	20
Modules Available: (M level credit point value in parenthesis)	Research and Assessment of Health Technology (15) Principles and Practice of RNI (30) Science of NM (15) Radiation Protection in NM (15) Applied Practices in NM (15) Clinical Practice of NM (30) Research Project/Dissertation (60)

Course Structure: - The first year consists of a total of 7 taught weeks interspersed with seven blocks of clinical placements. The second year consists of university attendance equivalent to 2 weeks plus supervisory research tutorials by arrangement with a project supervisor. Satisfactory completion of modules to the value of 180 credit points to include submission of a satisfactory research project/dissertation will lead to an award of an MSc. Satisfactory completion of modules to the value of 120 credit points will lead to the award of a PgD.

Entry Requirements: - Either a BSc (Hons) in a clinical science subject or an appropriate professional qualification, both with clinical experience. Exemption from part of the course is possible for suitably qualified practitioners. An approved clinical placement site is an essential pre-requisite for acceptance on the course. *Please note that the name route in Nuclear Medicine is only available for PgD and MSc as these awards contain a clinical practice element. Students who are currently unable to get a clinical placement may take 4 non-clinical modules from the Nuclear Medicine route and be awarded a postgraduate certificate in Medical Imaging Science. If a clinical placement subsequently becomes available, these modules will be considered for a postgraduate diploma in the named route.*

Assessment: - A variety of assessment methods will be used, including essays, case studies, practical reports, clinical portfolio, presentations, OSCE, examinations and a research project/dissertation. Appraisal and assessment of clinical practice will occur via the clinical portfolio in the first year.

Facilities: - All the University facilities will be available for the use of students throughout the course. These include a state of the art Learning Resources Centre (LRC) which provides integrated computing, library and media services; student's union and associated facilities and sports hall. Residential accommodation may be available.

For further details contact:

Tel: 01707 284 964
Fax: 01707 284 977
E-mail: J.M.I.Pulling@herts.ac.uk

UNIVERSITY OF HERTFORDSHIRE (Hatfield)

PgC/PgD Radiographic Reporting (Axial and Appendicular skeleton)

Mode of Study:	Part time
Minimum Duration:	PgC: 7 months PgD: 12 months
Number of Places Available:	20
Modules Available: (Modular value in parentheses)	Fundamentals of Radiographic Reporting (1) Musculo-skeletal pathology & radiographic appearances I (1) Musculo-skeletal pathology & radiographic appearances II (1) Clinical Applications I and II - appendicular (2) Clinical Applications III and IV - appendicular (2) Research for Reporters (1)

This development by the Department of Radiography aims to teach diagnostic radiographers with a particular interest in plain film imaging of the musculo-skeletal system to produce reports to aid in patient management. The mode of attendance is split between block release at the university and extensive periods of work based learning. The course has been developed with the understanding that it must meet the needs of practitioners, imaging departments and patients. To this end a mentor scheme operates to provide support for students on the course. Departments wishing to send radiographers to the course should, wherever possible, consider training small cohorts rather than individuals to provide peer support within the department.

Entry Requirements: - State registered radiographers in possession of BSc(Hons) in Radiography, the Diploma of the College of Radiographers or equivalent. It is anticipated that candidates should also have two years post-registration experience with a significant amount of time spent in the Accident and Emergency environment.

For further details contact:

Jenny Lorimer
Tel: 01707 284 966
Fax: 01707 284 977
E-mail: j.lorimer@herts.ac.uk

KING'S COLLEGE LONDON

PgC/PgD/MSc Medical Ultrasound (awarded by University of London)

PgC in Vascular Ultrasound (awarded by University of London)

Mode of Study: Day release

Minimum Duration of:
PgC: 12 months
PgD: 18 months
MSc: 24 months

Number of Places Available: 15

Modules Available:
Module I Physics and Technology of Diagnostic Ultrasound
Module II Obstetrics and Gynaecology Scanning
Module III General Medical Ultrasound
Module IV Research Methodology
Module V Research Project
Module VI Current Technology and Applications of Medical Ultrasound (DMU applicants only)
Module VII Vascular Ultrasound
Module VIII Ethics in Healthcare
Module IX Clinical Effectiveness and Audit

The MSc course incorporates Modules I - V

The PgD course incorporates Modules I - IV*

The PgC course incorporates modules I and II/III/VII

* alternative modules may be taken by prior agreement

Course Structure: - Teaching methods for this modular course include lectures, seminars and practical workshops, students attending for one day per week, three terms per year. A minimum of two days per week clinical practice in an ultrasound department is required.

Course Assessment and Credit Rating: - Each module is free standing and assessed by written assignment or equivalent. Clinical competency is an integral part of the course up to Diploma level, with summative assessment marks contributing to modules II and III. Twenty M level points per module are allocated to modules I-IV and VI and 40 M level points to the research project (V).

Entry Requirements - January entry: - An honours degree or professional qualification in Radiography, Nursing Studies, Midwifery or related area. Those with professional qualifications must have a minimum of 2 years current, relevant experience. All entrants must have access to a clinical department to complete the clinical component.

Diploma in Medical Ultrasound (DMU) Applicants - September entry: - DMU applicants have been given advanced standing (APL/APEL) of 40 M level credits and are exempt from modules I-III and the associated clinical assessment. Modules IV-VI are studied over 18 months. Qualifications for exemption must have been awarded within the last 10 years.

MPhil and PhD: - Opportunities exist for research in medical imaging within the department and in collaboration with other departments of the Division and the School. Students with research interest in Medical Ultrasound should contact Dr Victoria Aitken on 0207 346 3491 (E-mail victoria.aitken@kcl.ac.uk).

For further details contact:

Dr Victoria Aitken

Tel: 0207 346 3491/3976

Fax: 0207 346 3314

E-mail: victoria.aitken@kcl.ac.uk

KINGSTON UNIVERSITY

PgC/PgD/MSc in Medical Imaging/Oncology Practice

Mode of Study: Full time, Part time

Minimum Duration of: **PgC:** 15 weeks full time/21 weeks part time
PgD: 25 weeks full time/53 weeks part time
MSc: 48 weeks full time/64 weeks part time

Number of Places Available: Not limited

Modules Available:

- Assessing and Supervising in the Workplace
- Breast Cancer Treatment, Management and Care
- Cancer Management
- Computed Tomography 1 – Principles
- Computed Tomography II – Clinical Practice (#)
- Digital Imaging
- Dissertation (equivalent of 4 modules)
- Family History and Genetics of Breast Cancer
- Foundation to Image Interpretation
- Issues in the Organisation, Delivery and Management of Breast Care Services
- Magnetic Resonance Imaging I – Principles
- Management of People in the Workplace
- Professional Care of Paediatric Patients in Radiography
- Professional Research Analysis
- Quality and Professional Issues in Health Care
- Radiotherapy Practice
- Research Methods
- Self-Managed Learning in the Workplace
- Interpretation and Reporting in Mammography
- Principles and Practice of Mammography (#)
- Ultrasound of the Breast (#)
- Advanced Principles and Practice of Breast Assessment Techniques
- Clinical Breast Examination and Client Communication (#)
- Advanced Dental & Maxillo-Facial Radiography I
- Advanced Dental & Maxillo-Facial Radiography II
- Electronic Portal Imaging
- Pharmacological Management of Treatment-Related Toxicity in Oncology (#)

(#) denotes double module

Networked with:

- Jarvis Breast Screening Diagnostic & Training Centre, Guildford
- Duchess of Kent Unit, South West London Breast Screening Service
- Guy's Dental Hospital Department of Dental Radiography
- Bristol Haematology and Oncology Centre
- Royal Marsden Hospital NHS Trust

The Modular design allows students to gain a PgC after 4 taught modules, a PgD after 4 further taught modules and an MSc on completion of a Dissertation.

The aim of the programme is to equip students with the skills to develop and critically appraise research in their subject and contribute to the advanced practice, current development and future role of the service and profession.

There are pathways through the postgraduate programme, for both Diagnostic and Therapeutic Radiographers, and for Radiographers wishing to specialise in mammography, computerized tomography and dental radiography. The Principles and Practice of Mammography module will allow students to gain The College of Radiographers Postgraduate Award in Mammography Practice.

Applicants may be granted exemption from modules according to professional and academic qualifications possessed.

Modules may be taken as “free standing” modules as part of continuing professional development.

Independent study modules enable modules to be based around students’ individual CPD and workplace needs.

For further details contact:

Hansa Jadvya-Patel
Postgraduate Programme Field Leader
C/o MSc Course Administrator
Tel: (0208) 547 7399
Fax: (0208) 547 8800
Email: thodgson@hscs.sghms.ac.uk

UNIVERSITY OF LEEDS

PgC/PgD/MHSc Medical Ultrasound

Mode of Study: Full time/part time for PgC
Full time for PgD (block release) and part time
Part time MHSc

Minimum Duration of: **PgC:** 8 months
PgD: 14 months
MHSc: 18 months

Number of Places Available: 20

Modules available:

Compulsory Modules
Science and Technology (double module)
Professional Studies

Clinical Options
Gynaecological Ultrasound
Obstetric Ultrasound (double module)
General Medical Ultrasound (double module)
General Cardiac Ultrasound (double module)
Cardiac Ultrasound of Congenital Heart Disease I
Cardiac Ultrasound of Congenital Heart Disease II
Peripheral Vascular Ultrasound
Breast Ultrasound
Professional Work Based Learning
Practice Based Assessment (double module)
Image Guided Interventional Procedures of the Breast

MHSc Programme only
Research Methodology
Dissertation

PgC: The PgC has been developed as a route for specialist practitioners who wish to gain competence in one specific area only (eg midwives may require an obstetrics only route). In addition to the compulsory modules that underpin all areas of practice, the specialist practitioner will require to undertake one of the optional clinical modules (eg breast peripheral vascular) A flexible model is offered allowing PgC students to study on a full or part time basis. **PgD:** The PgD course offers an integrated programme of study necessary to provide the sonographers with the knowledge and skills to practice sonography competently. The course is designed for health care professionals such as radiographers, midwives and cardiac technicians. To be awarded the PgD candidates must successfully complete 8 modules, 2 of which are compulsory and up to 5 clinical modules chosen from 10 optional modules

The proposed student must be employed in or seconded to an accredited ultrasound department, demonstrate employer support to undertake the course and demonstrate a high level of commitment and motivation in undertaking the course.

The course will commence in September each year. The course consists of lectures and tutorials at the University and a closely linked clinical placement in the student's own ultrasound department. The lectures and tutorials will be delivered in approximately 15 weekly blocks and will normally be delivered every two to three weeks. Clinical time will be an integral part of each module and specific blocks of clinical learning have been timetabled to support the programme.

Masters Course: The route to Masters has been developed for experienced professional sonographers who wish to develop a strong research base from which to advance professional practice. Attendance will be on a part-time basis and will normally be completed within 18 months. The Masters in Health Sciences (MHSc) in Medical Ultrasound will be awarded to students who obtain 120 M level credits. There are two proposed routes to MHSc:

- the route whereby the student has completed eight M level modules (80 credits) for the PgD and has elected to continue their studies through to MHSc. This route will normally follow on directly from the PgD, or preferably follow a further year in ultrasound clinical practice;
- the route whereby credit exemption is awarded to the sonographer who has obtained the Diploma of the College of Radiographers and the Diploma in Medical Ultrasound and has suitable ultrasound experience of two years or more. This route enables advanced professional credit/standing of up to 40 credits for the sonographers current qualifications and clinical experience.

For further details contact:

Admissions & Access Unit, School of Healthcare Studies

Tel: 0113 343 1455

Email: r.w.hayler@leeds.ac.uk

UNIVERSITY OF LEEDS

College of Radiographers Postgraduate Award in Mammography Practice PgC/PgD/MHSc Mammography PgD/MHSc Breast Imaging

Mode of Study: Full time or part time
These courses run annually commencing in September

College of Radiographers Postgraduate Award in Mammography Practice

The College of Radiographers Award in Mammography Practice has been designed within a modular framework as a stand alone programme or as part of a progression pathway leading on to a Postgraduate Diploma/Masters programme.

Compulsory Modules: Science & Technology (Mammography)
Mammography Technique

Special Features of the Programme: A clinical placement is required at an approved centre/department for the programme. A nominated clinical supervisor will be required.

In order to address the major health care issue of Breast Cancer, these programmes will allow practitioners to acquire and develop the specialist knowledge and skills to advance practice and make an important contribution to the diagnosis of breast disease and the breast imaging services offered to clients.

The masters programme has been designed within a modular framework as a standalone programme, the **MHSc in Breast Imaging/Mammography** or as part of a progression pathway incorporating a **Postgraduate Certificate in Mammography** and a **Postgraduate Diploma in Breast Imaging/Postgraduate Diploma in Mammography**.

Postgraduate Certificate in Mammography

Compulsory Modules: Science & Technology Mammography
Mammography Technique
Professional Studies

Optional Modules: Professional Work Based Learning
Interpreting & Reporting Mammographic Images
Management & Being Managed in the NHS
Image Guided Interventional Procedures of the Breast

Postgraduate Diploma/MHSc in Breast Imaging

Compulsory Modules: Science & Technology Mammography
Science & Technology of Medical Ultrasound
Breast Ultrasound
and
Mammography for Breast Ultrasonographers
or
Mammography Technique
and
Breast Ultrasound for Mammographers
plus
Professional Studies
and
Interpretation & Reporting Mammographic Images

AND Candidates will be required to study 10 credits from the following:-

Optional Modules: Professional Work Based Learning
Management & Being Managed in the NHS – Distance Learning
Image Guided Interventional Procedures of the Breast

In order to obtain the MHS in Breast Imaging candidates will be required to complete the following;-

Compulsory Modules: Research Methodology
Dissertation

Postgraduate Diploma/MHSc in Mammography

Compulsory Modules: Science & Technology – Mammography
Mammography Technique

Professional Studies
Practice Based Assessment

Optional Modules: Management & Being Managed in the NHS – distance learning
Professional Work Based Learning
Interpreting and Reporting Mammographic Images
Image Guided Interventional Procedures of the Breast

Prerequisites: BHS (Hons) Radiography or BSc (Hons) Radiography or DCR(R) plus a minimum of two years clinical experience. Current employment within or seconded to a diagnostic imaging department approved by the University of Leeds for the relevant modules along with satisfactory evidence of the agreement of employers to undertake the course. Applicants who possess the “College of Radiographers Certificate of Competence in Mammography” plus one years mammographic experience will be granted some exemption.

Independent Modules: Mammographic Image Interpretation and Reporting (double module)
This module has been developed to allow the experienced mammographer to acquire the skills required to interpret, evaluate and communicate the findings of mammographic images.

Image Guided Interventional Procedures of the Breast and the associated Professional Issues

This exiting new pathway for the breast imaging and breast specialist comprises of two M level credit modules.

Entry Qualifications: BHS (Hons) or BSc (Hons) Radiography or DCR(R). The College of Radiographers Certificate of Competence in Mammography 3 years clinical experience in mammography. Approved Clinical Placement with a signed supporting letter by the radiologist. Satisfactory evidence of the agreement of employers to undertake the course.

For further details contact:
Janet Horrocks
Tel: 0113 343 1327
E-mail: j.l.horrocks@leeds.ac.uk

UNIVERSITY OF LEEDS

Dental Radiography (20 credit level 1)

Mode of Study:	One-week block release followed by a period of clinical experience (normally 19 weeks)
Minimum Duration of:	12 weeks (normally 20 weeks)
Number of Places Available:	Maximum 24
Modules Available:	This is a stand alone module open to suitably qualified healthcare practitioners

A programme in dental radiography has been delivered by the Division of Imaging and Radiotherapy Sciences, School of Healthcare Studies and by the former Leeds College of Health since 1991. The programme has been endorsed by the Dental Nurses Standards and Training Advisory Board (DNSTAB) and the College of Radiographers.

Although originally intended for Dental Nurses, the programme meets the professional needs of other professional group allied to dentistry. One such group are Dental Hygiene students at the Leeds Dental Institute who are required to complete the Dental Radiography Programme as part of their Dental Hygiene Course. Several successive cohorts of Dental Hygiene students have successfully completed the Dental Radiography programme during their course in Dental Hygiene. The entry gates have been widened further to include any appropriately qualified person involved in dental radiography.

The programme is normally delivered twice a year – in the autumn and the spring. A minimum of ten students is required to make the programme cost effective. Both programmes are well attended by dental nurses from throughout the United Kingdom. Dental hygiene students attend the spring programme as this programme is delivered at an appropriate time in their training. The theoretical component of the Dental Radiography programme is delivered during a one-week lecture block. This type of delivery is intensive but minimises the time students are absent from their practices on study leave. The theoretical content is divided into the following five themes:

- Radiation Science
- Equipment for Dental Radiography
- Imaging
- Radiation Protection
- Radiographic Technique.

All the themes are fully integrated to allow theory to inform practice.

Students then return to their dental practices or dental hospital for a clinical block. During this time they undertake dental radiography, quality assurance procedures and eight case studies. They also complete a record of clinical experience. The clinical block allows integration of theory with practice. It also gives the student adequate time to gain the necessary skills to enable the safe practice of dental radiography. The final examination is held at the end of the clinical block and consists of a one-hour written unseen examination and the submission of a reflective essay on clinical practice to include eight case studies.

For further details contact:

Lisa Mallinson
Admissions, Access and Marketing Unit
School of healthcare Studies, Baines Wing,
University of Leeds, LEEDS LS2 9JT
Tel: 0113 343 1347

UNIVERSITY OF LEEDS

Barium Enema Programme (20 M level credits)

Mode of Study:	Work-based distance learning mode following completion of the Leeds Barium Enema Course at St James's University Hospital
Minimum Duration of:	6 months
Number of Places Available:	Maximum 20
Modules Available:	This is a stand-alone module open to suitably qualified radiographers

Formal accreditation by the University of Leeds of the Leeds Barium Enema Training Course for Radiographers, developed by the Radiology Department at SJUH, enables radiographers completing the Leeds Barium Enema Course to have the option of undertaking the Barium Enema Programme with the University of Leeds to attain 20 M Level Credits. Those radiographers who completed the Leeds Barium Enema Course over five years ago also be considered if they are actively undertaking barium enema sessions and have attended the Leeds Update Courses.

The barium enema programme is delivered twice a year in conjunction with the Leeds Barium Enema Course (April and October)

The Radiology Department at SJUH delivers the theoretical component of the course over 1^{1/2} days. This is followed up by a period of work-based practical learning under the supervision of a consultant radiologist. During this time students are expected to perform a minimum number of barium enema examinations. After 4 months the students attend a one-day refresher course.

Students will be expected to complete a Record of Clinical Experience of barium enema examinations. A range of categories will be incorporated to ensure that the student completes a minimum number of barium enema examinations that demonstrate identified pathological conditions. The Record of Clinical Experience will also provide an opportunity for the supervising radiologist to monitor the student's progress. Students will be expected to complete the minimum number of examinations in order to pass this component.

A declaration of competence will be included in Record of Clinical Experience. This must be signed by the supervising radiologist and the Superintendent Radiographer/Radiology Services Manager to certify that the student has been deemed competent to perform barium enema examinations.

The student will also be expected to complete three 2000 word case studies.

Many candidates for this course are based throughout the country and appropriate support via e-mail, post or the phone is given.

For further details contact:

Postgraduate Admissions
School of Healthcare Studies
Baines Wing
University of Leeds
Leeds
LS2 9JT

Tel: 0113 343 1455
E-mail: r.w.hayler@leeds.ac.uk

Clinical Imaging Support Workers NVQ Level 3

Mode of Study: One study day per month;
Completion of a work-based portfolio

Minimum Duration of: Normally approximately 12 months

Number of Places Available: Maximum 20

Modules Available:

Candidates will need to complete **four mandatory units** that are common to all NVQs in care. The units are:

- 02 Promote people's equality, diversity and rights
- CL1 Promote effective communication and relationships
- CU1 Promote, monitor and maintain health, safety and security in the workplace
- CU9 Contribute to the development and effectiveness of work teams

They must also complete **eight option units**.

The option units include units specific to clinical imaging, and cover topics such as preparing environments for imaging procedures, stock control, image processing and the care of the patient during imaging procedures. Each unit is divided up into elements that are further broken down into performance criteria.

Candidates would be expected to be employed as Clinical Imaging Support Workers within an imaging department.

National Occupational standards are the quality benchmarks for people at work (Care Sector Consortium 1992). They set out the quality of performance required in the workplace. The standards specify the knowledge, understanding and practical and thinking skills which underpin the outcomes people are expected to achieve within the work environment. They describe both the routine and technical aspects of the tasks and the way in which tasks have to be managed, the necessary interpersonal relationships and the values which the organisation wishes to be expressed in action. All national occupational standards are structured into units of competence. In the care sector (of which imaging departments are a part of), the overall purpose of developing National Occupational Standards is to continuously improve the quality of service for all who *receive* care, by specifying the quality of performance of those who *provide* care.

NVQs are selections of units taken from National Occupational Standards, so that these qualifications provide proof of competence in the workplace. The standards comprising the Clinical Imaging Support Workers NVQ have been drawn up in the close consultation with the radiography profession. The College of Radiographers has provided full support from the outset, radiography managers have been consulted at key stages of the development, and the standards have been piloted at various sites to prior to approval by the NCVQ (National Council for Vocational Qualifications). NVQs are currently based on five levels, from level 1 (largely routine activities) to level 5 (those activities requiring the most demanding and complex occupational competencies).

Assessment is essentially work-based. Competence is demonstrated chiefly by what is termed "naturalistic observation", i.e. direct observation is a support work carrying out a task. Where necessary, demonstration of competence can be achieved by other methods such as questions and answers, or simulation. The assessment has to be carried out by someone who is familiar with the candidates' occupation. Ideally this would be a radiographer within the department.

Candidates complete a portfolio of achievement which contains the evidence that the candidate has met the necessary performance criteria. Candidates must also provide evidence that they have the necessary underpinning knowledge to support the performance criteria. This evidence can take a variety of forms, for example an assessor's report of a question and answer session with the candidate or a piece of written work by the candidate. Pieces of written work may take the form of projects and poster presentations. The portfolio will be presented to the External Verifier at the end of the course. If the evidence that the candidate has presented demonstrates achievement of all the relevant standards the candidate will be awarded the NVQ.

For further details contact:

Lisa Mallinson
Admissions, Access and Marketing Unit
School of healthcare Studies, Baines Wing,
University of Leeds, LEEDS LS2 9JT
Tel: 0113 343 1347

UNIVERSITY OF LIVERPOOL

PgC/PgD/MSc Medical Diagnostic Ultrasound

Mode of Study:	Day release
Minimum Duration of:	PgC: 12 months PgD: 15 months
Number of Places Available:	20
Modules available:	Scientific Principles, Instrumentation & Quality Assurance Obstetric Ultrasound Imaging the Female Pelvis General Medical Ultrasound Paediatric Ultrasound Professional Skills and Studies Qualitative Research Methods (compulsory for MSc) Dissertation (MSc)

The MSc in Medical Diagnostic Ultrasound is an exciting new, flexible programme. It is aimed at all healthcare professionals who wish to develop their knowledge and clinical skills in this specialist imaging modality. **PgC:** the PgC (4 modules, 60 credits, M level) permits sub-specialisation in either obstetrics and gynaecology or general medical ultrasound. **PgD:** the PgD (8 modules, 120 credits, M level) covers obstetrics, gynaecology and general medical ultrasound with options in research methods and statistics, paediatric ultrasound and professional skills studies. A block release academic programme is offered for the PgC/PgD. Candidates for these routes must also undertake a minimum of 2 days clinical ultrasound scanning per week. **Masters degree:** the MSc (12 modules, 180 credits, M level) is normally undertaken on a part time basis. Candidates will undertake a research project under the supervision of a member of staff from a university department and this will culminate in the submission of a 15000 word dissertation. Scientific Principles, Instrumentation and Quality Assurance in Medical Ultrasound is a core module for all routes. Accreditation of prior learning will be considered for existing holders of PgC/PgD from this or other approved university and for holders of the DMU.

For further details contact:

Joan Scott - Course Administrator (MSc Medical Diagnostic Ultrasound)
Tel: 0151 794 5776
Fax: 0151 794 5766

M Phil/PhD

Mode of Study:	Full or Part time
Duration of Study:	Variable (typically 3 years, but dependent upon progress)

Applications are invited from personnel with a first degree or the Diploma of the College of Radiographers. Experience of research methodology and statistics is not essential as this can be provided within a range of courses available at the University in advance of registration.

If you have an "embryonic research idea" or simply want more information contact:

Julie M Walton
Tel: 0151 794 5761
Fax: 0151 794 5766

UNIVERSITY OF PORTSMOUTH

PgC/PgD/MSc Medical Imaging & Radiation Therapy

Mode of Study:	Block release (Part time & Full time)
Minimum Duration of:	PgC: 2 semesters (12 months Part time & Full time) PgD: 4 semesters (12 months Full time & 24 months Part time) MSc: 6 semesters (18 months Full time & 36 months Part time)
Number of Places Available:	30
Pathways:	Medical Imaging Radiation Therapy
Named Exit Awards:	Medical Imaging Radiation Therapy Medical Ultrasound Radionuclide Imaging Computed Tomography Magnetic Resonance Imaging
Modules available:	Image Processing Radiobiology and Radiation Protection Evaluation Practice Management Studies Biology of Cancer Radiotherapy Planning Health and Illness Research Methodology and Data Analysis Introduction to Ultrasound Science and Applications of Obstetrics and Gynaecology Ultrasound Science and Applications in General Ultrasound Science and Applications in Doppler Ultrasound Science and Applications of Radionuclide Imaging Science and Applications of Computed Tomography Science and Applications of Magnetic Resonance Imaging Clinical Practice in General Ultrasound Clinical Practice in Doppler Ultrasound Clinical Practice in Radionuclide Imaging Clinical Practice in Computed Tomography Clinical Practice in Magnetic Resonance Imaging

The two pathways through the programme consist of a number of units at Masters (M) level, which provide credits towards the appropriate named award. The Professional Doctorate in Medical Imaging is a part time multi-disciplinary programme aimed at practitioners who wish to acquire the highest level of professional and academic achievement.

For further details contact:

Tel: 02392 845 389
Fax: 02392 845 388
E-mail: alan.castle@port.ac.uk

PgC Mammography

Mode of Study:	Part-time
Minimum Duration of:	PgC: 12 months
Number of Places Available:	14
Modules Available:	Mammography 1 (Academic) Mammography 2 (Work-based learning) Mammography 3 (Academic) Mammography 4 (Work-based learning)

Course Structure: - The course has been designed to provide a coherent programme of education for radiographers in the breast imaging service to extend their professionalism and enhance their professional practice.

The theoretical and work-based elements of the course will focus on the evaluation of health care provision enabling both skills and theory to be integrated within clinical practice while strengthening the ability to contribute effectively as a member of a multidisciplinary team. Issues at the cutting edge of theory and research in mammography will be critically examined to enable the student to focus, extend, develop and strengthen skills in mammography to a level of advanced professional competence.

Work based learning is the focus for theoretical and practical elements of the course providing the essential mechanism by which theoretical concepts are integrated within clinical practice. This element of the course is structured to promote the development of advanced-level operational skills and critical and reflective thinking in clinical practice. It will focus on the ability to undertake independent learning and to become a critically reflective practitioner.

For further details contact:

Anne Marie Conway
Tel: 0131 317 3671
Fax: 0131 317 3819
E-Mail: aconway@qmuc.ac.uk

THE ROBERT GORDON UNIVERSITY (Aberdeen)

PgC/PgD/MSc Medical Ultrasound

Mode of Study:	Block release
Minimum Duration of:	PgC: 12 months PgD: 24 months MSc: 36 months (12 months for PgD/DMU holders)
Number of Places Available:	15
Modules Available:	<u>Core Units</u> Scientific Principles of Ultrasound Communication and Interpersonal Skills Service Provision Advanced Ultrasound Technology (PgD only) research Methods (PgD only) <u>Optional Modules</u> General Ultrasound Ultrasound in Obstetrics and Gynaecology Vascular Ultrasound Research Project

Course Structure: - **PgC:** The First year consists of distance learning material and three, university based, study long weekends (Fri – Sun) Students are given tutorial support with their study materials. The weekends are interspersed with clinical experience at the student’s base hospital. **PgD:** In the second year the student will receive further distance learning material and will attend the university for a further three study long weekends. Clinical experience will be required appropriate to the new material studies at PgD. The distance learning material and study weekends at PgC and PgD provide the theoretical underpinning required for reflective practice and offer the maximum flexibility to the student in managing his/her learning. **MSc:** In the final year the student undertakes a research study in the area of medial ultrasound. This work is largely student-centred, however, appropriate support is given from the student’s project supervisor. The research report will form the assessment of this final year of the course.

Entry Requirements: - The student must be employed or seconded to an ultrasound department. Applicants must hold either a degree in an appropriate health related subject (eg a BSc in Radiography) or a Diploma of the College of Radiographers plus at least one years clinical experience. Alternatively students may enter the course via the Credit Accumulation and Transfer Scheme (CATS) with a credit rating of at least 360 (SD) SCOTCAT points which may be demonstrated by the submission of a suitable APEL portfolio. Candidates with the DMU may be considered for direct entry to the second year via APEL.

Assessment: - A variety of assessments are used at regular intervals throughout the course. These include essays, practical assessments, case studies and an OSCE. Clinical assessments and appraisals will occur at regular intervals throughout the whole of the course.

Facilities: - All of the university facilities will be available to the student during the course. These include library facilities, computing facilities, and student support facilities. Residential accommodation may also be available. The university has considerable experience of distance learning and block release courses and so postal library schemes and telephone tutorials have been developed.

For further details contact:

Donald T Graham (Acting Course leader)
Tel: 01224 263250
Fax: 01224 263290
E-mail d.graham@rgu.ac.uk

UNIVERSITY OF SALFORD

PgC/PgD/MSc Advanced Practice (Medical Imaging)

Mode of Study:	Part time
Minimum Duration of:	PgC: 12 months PgD: 18 months MSc: 24 months
Number of Places Available:	15
Modules Available:	Compulsory Research in Practice Optional Computerised Tomography Scanning Digital Vascular Imaging Double Contrast Barium Enema Examinations Magnetic Resonance Imaging Communication and Counselling Computing in Medical Imaging Health Service Department Management Management of Trauma Imaging Managing Service Quality in Healthcare Independent Learning Dissertation
	MSc only

Course Structure:

One compulsory module and one optional module comprise the PgC, one compulsory module and 3 optional modules comprise the PgD, and a further six months and a dissertation complete the Masters programme. 50% of the "taught" component of the course is work based. In addition to the work-based part of the programme, the equivalent of 2 days per week is spent in a specific clinical area related to the optional modules. Support in the clinical area is provided by a trained mentor and member of the course Clinical Management Team. Part of the clinical experience involves the development of a professional portfolio.

Admissions:

APL/APEL procedures are used to assist in the admissions process. Students will be encouraged to complete the supporting evidence as part of their portfolio.

Pre-requisites:

All applicants are required to organise the appropriate clinical experience for their optional modules and will be assisted in the selection of a mentor.

For further details contact:

Sue Norton
Tel: 0161 295 2157
Fax: 0161 736 9989
E-mail: S.Norton@salford.ac.uk

UNIVERSITY OF SALFORD

PgC/PgD/MSc Advanced Practice (Medical Ultrasound)

Mode of Study:	Day release
Minimum Duration of:	PgC: 12 months PgD: 18 months MSc: 24 months
Number of Places Available:	Minimum 8 per module, maximum 24
Modules Available:	Compulsory Fundamentals of Ultrasound Practice Research in Practice Optional Obstetric and Gynaecology Ultrasound General Medical Ultrasound Breast Ultrasound Communication and Counselling Computing in Medical Imaging Health Service Department Management Managing Service Quality in Healthcare Dissertation
	MSc only

The course is designed in modular format to allow flexibility of study but at the same time, students progress along a coherent pathway since the compulsory modules provide a basis for the optional modules. The Masters course is designed to allow stepping off points at PgC and PgD levels. The programme up to PgD level emphasises the integration of theory with clinical practice. A trained mentor provides support in the clinical area. Part of the clinical experience involves the development of a professional portfolio. The course design ensures that students will achieve the level of competence and skill required by the Health Service. Students are required to undertake a minimum of 20 hours/week of supervised clinical practice, in a department which satisfies the criteria for clinical training.

Academic entry requirements are normally BSc (Hons) Radiography or other suitable honours degree in a health practice area. APL/APEL processes are in place for non-graduates. Applicants with other academic and professional qualifications are welcome and can be considered on an individual basis.

For further details contact:

Gillian Crofts
Tel: 0161 295 2191/ 2154
Fax: 0161 736 9989
E-mail: G.Crofts@salford.ac.uk

UNIVERSITY OF SALFORD

PgD/MSc Advanced Practice (Nuclear Medicine)

Mode of Study:	Part time
Minimum Duration of:	PgD: 18 months MSc: 24 months
Number of Places Available:	15
Modules Available:	<u>Compulsory modules</u> Clinical Applications of Nuclear Medicine Clinical Practice Research Methods and Statistics Science and Instrumentation of Nuclear Medicine <u>Optional modules</u> Managing Service Quality within the NHS Management of NHS Departments <u>Masters level only</u> Dissertation

The course is modular and day release, requiring the student to have access to 14 hours of clinical practice per week throughout the entire course. The clinical practice must be carried out in an accredited nuclear medicine department.

The course is comprised of a variety of modules, allowing a stepping off point at PgD level. Four of the modules are compulsory and contain the essential elements of nuclear medicine imaging. One module is optional, there is a choice of five. The award of masters degree requires the student to complete a dissertation.

For further details contact:

Peter Hogg
Tel: 0161 295 2154
Fax: 0161 736 9989
E-mail: p.hogg@salford.ac.uk

UNIVERSITY OF SALFORD

PgC/PgD/MSc Advanced Practice (Clinical Radiographic Reporting) (Skeletal Trauma & Orthopaedics)

Mode of Study:	Part time
Minimum Duration of:	PgC: 12 months PgD: 18 months MSc: 24 months
Number of Places Available:	8
Modules Available:	Compulsory Research Methods Image Interpretation of the Skeletal System (PgC) Optional Communication and Counselling Health Service Department Management Management of Trauma Imaging Managing Service Quality in Healthcare Dissertation
	MSc only

Course Structure: - PgC 12 months part time over 2 semesters. PgD eighteen months part time, consisting of three 15 week semesters. Students may, on successful completion of the PgD, progress to a Master of Science degree by completing a research dissertation over a further six months. There is also a clinical requirement of two sessions per week throughout the whole of the course. Some of this time must be allocated to tutorials with the radiologist mentor. Students are also required to attend clinical placements in Accident & Emergency Departments, Orthopaedic & Trauma Clinics, and attendance at case conferences. Support in the clinical area is provided by a trained mentor and member of the course Clinical Management Team.

Admissions: - APL/APEL procedures are used to assist in the admission process on an individual basis. Students will be encouraged to complete the supporting evidence as part of their portfolio.

Pre-requisites: - All applicants are required to organise the appropriate clinical experience for their modules and will be assisted in the selection of a mentor.

For further details contact:

Julie Nightingale
Tel: 0161 295 2158
Fax: 0161 736 9989
E-mail: J.Nightingale@salford.ac.uk

UNIVERSITY OF SALFORD

PgC/PgD/MSc Advanced Practice (Gastrointestinal Reporting) (awaiting validation for September 2003)

Mode of Study:	Part time
Minimum Duration of:	PgC: 12 months PgD: 18 months MSc: 24 months
Number of Places Available:	8
Modules Available:	Compulsory Research Methods (PgD) Fundamentals of Reporting (GI) Image Interpretation (GI) Optional Role Development: DCBE Radiological Assessment of Swallowing Disorders Communication and Counselling Health Service Department Management Management of Trauma Imaging Managing Service Quality in Healthcare Dissertation
	MSc only

Course Structure: - PgC 12 months part time over 2 semesters. PgD eighteen months part time, consisting of three 15 week semesters. Students may, on successful completion of the PgD, progress to a Master of Science degree by completing a research dissertation over a further six months. There is also a clinical requirement of two sessions per week throughout the whole of the course. Some of this time must be allocated to tutorials with the radiologist mentor. Students are also required to attend clinical placements in Accident & Emergency Departments, Orthopaedic & Trauma Clinics, and attendance at case conferences. Support in the clinical area is provided by a trained mentor and member of the course Clinical Management Team.

Admissions: - APL/APEL procedures are used to assist in the admission process on an individual basis. Students will be encouraged to complete the supporting evidence as part of their portfolio.

Pre-requisites: - All applicants are required to organise the appropriate clinical experience for their modules and will be assisted in the selection of a mentor.

For further details contact:

Julie Nightingale
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E-mail: J.Nightingale@salford.ac.uk

UNIVERSITY OF SALFORD

PgC/PgD/MSc Advanced Practice (Mammography)

Mode of Study: Part time

Minimum Duration of: **PgC:** 12 months
PgD: 18 months
MSc: 24 months

Number of Places Available: Dependant on module

Modules Available: **Compulsory**
Research Methods
Mammography Principles and Practice

Optional
Fundamentals of Clinical Reporting (PgC)
Image Interpretation of the Breast (PgC)
Breast Ultrasound
X-Ray Guided Interventional Breast Procedures
Communication and Counselling
Health Service Department Management

Relevant modules available throughout faculty

MSc only Dissertation

Course Structure: - PgC 12 months part time over 2 semesters. PgD eighteen months to 2 years. Students may, on successful completion of the PgD, progress to a Master of Science degree by completing a research dissertation over a further 6-12 months.

Admissions: - APL/APEL procedures are used to assist in the admission process on an individual basis. Students will be encouraged to complete the supporting evidence as part of their portfolio.

Pre-requisites: - All applicants are required to organise the appropriate clinical experience for their modules.

For further details contact:

Terry Walsh
Tel: 0161 295 2561
Fax: 0161 295 2368
E-mail: T.Walsh@salford.ac.uk

SHEFFIELD HALLAM UNIVERSITY

PgC/PgD/MSc Medical Ultrasound

Mode of Study: Day release

Minimum Duration of:
PgC: 12 months
PgD: 24 months
MSc: 36 months

Number of Places Available: Maximum 12 per module

Modules Available:

PgC
Scientific Principles of Medical Ultrasound (15M)
Professional Portfolio of Clinical Competence (30M)
Plus choice of Clinical Units
1. Obstetric and Gynaecological Ultrasound (15M)
2. Abdominal Ultrasound (15M)
3. Peripheral Vascular (15M)
4. Echocardiography (15M)

PgD
Pelvic Ultrasound (15M)
Portfolio of Clinical Competence 2 (30M)
Plus clinical units 1,2 or 3

Dissertation (60M) **plus**
Research module/s

60 M level credits required for a PgC
120 level M credits for a PgD
180 M level credits for a masters degree

The course aims to produce a competent practitioner, to further develop an individual's analytical and evaluative skills and promote the ability to relate these to safe practice. Academic assessment is based on written assessments, case studies and posters.

Students are encouraged to have at least one years' clinical experience before proceeding to the Masters degree.

Entry Requirements

- A pass degree in radiography or equivalent professional qualification.
- DCR or equivalent professional qualification plus two years' clinical experience and proven evidence of CPD and ability to cope with the demands of postgraduate study.
- Cognate degree plus two years' appropriate clinical experience.

For further details contact:

Trudy Sevens
Tel: 0114 225 2493
Fax: 0114 225 2430
OR
Post experience office
Tel: 0114 225 2551

SHEFFIELD HALLAM UNIVERSITY

PgC/PgD/MSc Radiotherapy Studies **PgC in Psychological Aspects of Care in Radiotherapy**

Mode of Study:	Part time
Minimum Duration of:	PgC: 12 months PgD: 24 months MSc: 36 months
Number of Places Available:	not limited
Modules Available:	<u>Radiotherapy</u> Treatment Verification Radiotherapy Localisation & Planning Planning for Conformal Therapy Quality Assurance in Radiotherapy Issues in Therapeutic Radiography Computed Tomography in Radiotherapy Professional Development Skills Clinical Practice Portfolio Radiotherapy Studies Research Methodology/Towards Research Introduction to Counselling Skills Psychology of Cancer Care Portal Imaging Research Dissertation 3D Planning and Treatment <u>Generic</u> Management in the Health Service Ethics Health Policy

Units of study will be available only if there is sufficient demand to run individual units as taught units. However units can be taken as independent study units if desired, or you can design your own unit to suit a work based project which you are currently involved with.

The programme of study offers a choice of units from a menu, which will enable radiographers to tailor their programme of study to suit their own professional development requirements. Some units are radiotherapy specific, other units are options chosen by other health care professionals. The programme incorporates flexible learning methods, including work based learning, distance learning and independent study units. Radiographers can also apply for accreditation of work based projects and prior certificated learning. Attendance at the University will be kept to a minimum and will be on Saturdays.

For further details contact:

Angela Duxbury
Tel: 0114 225 2590 or 0114 225 2379
E-mail: A.M.Duxbury@SHU.ac.uk

SHEFFIELD HALLAM UNIVERSITY

PgC in Paediatric Medical Imaging Practice
PgC in CT Imaging Practice
PgC in Vascular Imaging Practice
PgC in Medical Imaging
PgD in Medical Imaging
MSc Medical Imaging

Mode of Study:	Block release
Minimum Duration of:	PgC: 12 months PgD: 24 months MSc: 36 months
Number of Places Available:	Variable depending on the module
Modules Available:	Professional Development Portfolio (generic (15C); CT (30C); Paed (30C); Vasc (30C) Applied Research Ultrasound Vascular Imaging 1 Vascular Imaging 2 Computed Tomography 1 Computed Tomography 2 Paediatric Imaging 1 Paediatric Imaging 2 Chest – Image interpretation Chest – Image interpretation, clinical reporting in practice Orthopaedic – Image interpretation Orthopaedic – Image interpretation, clinical reporting in practice Trauma 1 – Image interpretation Trauma 1 – Image interpretation, clinical reporting in practice Trauma 2 – Image interpretation Trauma 2 – Image interpretation, clinical reporting in practice Abdomen – Image interpretation Abdomen – Image interpretation, clinical reporting in practice Dissertation

A variety of routes through the Medical Imaging programme are available with a strong emphasis on competence to practice. Routes may be negotiated to suit student choice and may include flexible and workbased learning.

Entry Requirements*

- Access to appropriate chosen area of practice
- DCR(R)
- BSc (Hons) Radiography or equivalent health professional qualification
- It would normally be expected for an applicant to be state registered.

For further details contact:

Post experience office
School of Health and Social Care
Tel: 01142 225 2551
Fax: 01142 225 2430
E-mail: c.m.ferris@shu.ac.uk

ST. MARTIN'S COLLEGE (Lancaster)

PgC/PgD/MSc Magnetic Resonance Imaging (awarded by Lancaster University)

Mode of Study:	Part time, one week block release
Minimum Duration of:	PgC: 12 months PgD: 18 months MSc: 24 months
Number of Places Available:	15
Modules Available:	MRI Practice 1 MRI Practice 2 Specialised MRI Techniques and Applications Latest Developments and Future Concepts in MRI Human Sciences Related to Medical Imaging Research Applied to Medical Imaging Research Project (4 module equivalence)

This modular PgC/PgD/MSc is designed for practitioners working in the field of MRI, who wish to undertake part time study of MRI beyond first degree level. The course will allow students to develop research skills that can be applied to clinical practice. Students will be awarded the PgC on successful completion of 3 modules or can proceed and gain the PgD upon successful completion of six taught modules or may proceed to MSc by conducting an empirical research project.

The course will consist of week blocks – three for the PgC and a further three for the PgD. For any award to be made, the students will also have to complete a clinical element of the course. The study for this will take place in the student's own place of work. Students will develop a full range of clinical competencies during the course and these will be assessed by an Objective Structured Clinical Examination. To be admitted on to the course students must also have the backing of a MRI department. The departments must also be willing to provide an experienced practitioner to act as a clinical mentor.

For further details contact:

Gill Marshall
Tel: 01524 384 645/384 566
Fax: 01524 384 591
E-mail: g.marshall@ucsm.ac.uk

ST. MARTIN'S COLLEGE (Lancaster)

PgD/MSc Medical Imaging (awarded by Lancaster University)

Mode of Study:

Part time, one week block release

Minimum Duration of:

PgD: 18 months

MSc: 24 months

Number of Places Available:

15

Modules Available:

Compulsory modules

Research Applied to Medical Imaging

Imaging Related Modules - A

minimum of 2 and a maximum of 4 to be studied.

Image Appreciation

Human Sciences related to Radiography

Trauma Care

Independent Study

Role of Medical Imaging

Up to 2 modules from other health related masters programmes can be studied e.g. modules from the Ultrasound Course and reporting CT modules from the MRI Course subject to validation.

Research Project (4 module equivalence)

This modular MSc is designed primarily for radiographers who wish to undertake part time study of a wide range of imaging related subjects beyond first degree level. The course will concurrently develop research skills that can be applied to professional practice. The course is an initiative which will allow students to participate in modules with a diverse range of health professionals, teachers, etc and to tailor the course to their individual needs.

The philosophy of the course is that it should provide an advanced scientific and intellectual framework into which professional practitioners can integrate their experience and develop the necessary abilities to research and evaluate critically a range of concepts and topics that are pertinent to health care. In keeping with the course philosophy, there is one compulsory module. Five more modules must be chosen, at least two of which must be imaging related. Hence up to two modules can be selected from the other health related masters courses offered by the institution. A research project related to imaging will complete the degree.

For further details contact:

Dr Lisa Booth

Tel: 01524 384580

Fax: 01524 384 591

E-mail: L.Booth@ucsm.ac.uk

ST. MARTIN'S COLLEGE (Lancaster)

PgC/PgD Medical Image Interpretation: (Radiography Reporting) (awarded by University of Lancaster)

Mode of Study:	Block release
Minimum Duration of:	PgC: 15 months PgD: 18 months
Number of Places Available:	15
Modules Available:	Image Appreciation Reporting Images of Appendicular Skeleton Reporting Images of Axial Skeleton

The Postgraduate courses in Image Interpretation are open to radiographers and graduates from other professions who have a practical, clinical commitment to the interpretation of medical images. The course is focussed strongly on experience gained under radiological guidance in the student's workplace.

The PgC is composed of three modules that enable practitioners to enhance their understanding of the interpretation of images of the skeleton. The course supplies the necessary skills and may be instrumental in allowing practitioners to extend their professional roles and responsibilities into formal reporting on these images.

The PgD adds a double module on the interpretation of the adult chest and a module on research methods to the PgC described above.

Attendance blocks of one week duration per module. Each attendance is followed by twelve weeks of structured clinical experience and the compilation of a study portfolio.

Assessment is by diagnostic performance taken from the portfolios; by practical, clinical examinations and by essays.

All modules carry 20 M level credits and can contribute towards the Master's Degree in Medical Diagnostic Imaging awarded by Lancaster University.

For further details contact:

Dr David Manning
Tel: 01524 384636/384566
Fax: 01524 384385
E-mail: d.manning@ucsm.ac.uk

ST. MARTIN'S COLLEGE (Lancaster)

PgC/PgD/MSc Medical Ultrasound (awarded by University of Lancaster)

Mode of Study:	Block release
Minimum Duration of:	PgC: 12 months (3 modules); 15 months (4 modules) PgD: 18 months MSc: (18 months) 6 months for PgD holders
Number of Places Available:	20 on the PgC/PgD, 15 on the MSc
Modules Available:	Science and Instrumentation of Ultrasound Human Sciences Related to Ultrasound Obstetric and Gynaecological Ultrasound Examinations General Abdominal Ultrasound Vascular Ultrasound Research Related to Ultrasound Clinical Ultrasound Practice Role of Medical Imaging in Modern Medicine Research Project

The **PgC in Obstetric and Gynaecological Ultrasound** is aimed specifically at midwives and other health care professionals who use, or plan to use, diagnostic ultrasound in obstetric and gynaecological practice. The course is delivered in four taught modules: Science and Instrumentation of Ultrasound; Human Science related to Ultrasound; Obstetric and Gynaecological Ultrasound Examinations; and one clinical practice module. The taught modules are delivered on a block release basis, the total length of each of the three blocks is five days. The clinical practice module requires a minimum involvement of 960 hours in ultrasound practice over the fifteen month course. The **PgC in Vascular Ultrasound** is a three module certificate which included clinical vascular, science and instrumentation and human sciences modules. The vascular module may be studied as a stand alone module by qualified sonographers who would register as associate students.

The PgD course is composed of six theory modules and an element of clinical practice. The clinical practice forms a qualificatory practice unit and students must pass this element to be eligible for the award of PgD. The course consists of clinical practice of 1050 hours within the eighteen month period of the course, and six academic one week blocks. The student can achieve the requirements for the clinical element of the course by working alternate two or four week blocks in the ultrasound department over a sixty week period.

The Masters programme incorporates the established PgD in Medical Ultrasound, first validated in January 1993. The programme is offered to practitioners who hold a PgD in Medical Ultrasound and to practitioners who hold The College of Radiographers Diploma in Medical Ultrasound. PgD holders can normally gain direct access to the course (subject to interview) provided their PgD carries 108 M level credits. These entrants will undertake a dissertation in order to gain the Masters degree. DMU holders can be credited with up to 72 M level credits and will gain entry subject to interview. It will be necessary for these students to study two taught modules in addition to undertaking their dissertation. The taught modules, Research Related to Ultrasound and the Role of Imaging in Modern Medicine, are delivered on a block release basis and each module is 5 days long.

For further details contact:

Nick Jones
Tel: 01524 384642/384566
Fax: 01524 384 591

LONDON SOUTH BANK UNIVERSITY

PgC/PgD/MSc Clinical Imaging

Mode of Study: Combination of day and week-block release, afternoon and evening attendance and student directed study

Minimum Duration of:
PgC: 12 months (4 units)
PgD: 2 years (8 units)
MSc: 2 years (8 units plus dissertation) (PT); 1 year (FT)

Number of Places Available: 30 per year

Core Units: **A minimum of 4 of the following:**
Applications and Evaluation of Diagnostic Imaging
Image Evaluation in CT and MRI for oncology/radiography
Computed Tomography
Magnetic Resonance: Principles and Safety
Pathology in Imaging and Radiation Oncology
Imaging in Sports Injury Management
Professional Development through Contract Learning

Plus a selection from (for example):

Management of the Organisation
Law/Ethics/Philosophy in Health Care
Health Informatics
CPD in Practice: Student Directed Unit
Managing Education and training in the Practice Environment
Genetics for Health Professionals
Equality and Values in Health and Social Care
Human Experience of the Spiritual Domain
Human Development over the Lifespan
Design for Living
Counselling and Communication Skills
Interprofessional Practice

Core of MSc Research Methodology and Strategy
Dissertation

The master's course has been designed as a natural academic progression for radiographers who wish to pursue their professional academic studies. Whilst accepting that students on this course will be involved in a busy professional life we aim to encourage development of reflection in practice. This in turn will facilitate the formulation of research questions and help to affirm that professional practitioners are uniquely placed to explore and understand the interactions in their practice and working environment.

The course is unitised as part of the Postgraduate Scheme in Professions Allied to Medicine. The units are assessed by a variety of assignment styles.

Entry to the scheme is through qualification and/or experience. Applicants wishing to be considered for APEL should apply directly to the Postgraduate Scheme Director for more information.

For further details contact:

Suzanne Henwood
Tel: +44 (0) 20 7815 8197
Fax: +44 (0) 20 7815 8099
E-mail: S.Henwood@lsbu.ac.uk

LONDON SOUTH BANK UNIVERSITY

PgC/PgD/MSc Clinical Ultrasound

Mode of Study: Combination of day –block release, afternoon and evening attendance and student directed study

Minimum Duration of: **PgC:** 12 months (4 units)
PgD: 2 years (8 units)
MSc: 2 years (8 units plus dissertation) (PT); 1 year (FT)

Number of Places Available: 25 per year

Core units: Scientific Principles and Instrumentation of Diagnostic Clinical Ultrasound

PgC Clinical Ultrasound (Obstetrics and Gynaecology)

Scientific Principles and Instrumentation of Diagnostic Clinical Ultrasound
Plus
Normal ultrasound appearances in pregnancy*
Abnormal ultrasound appearances in pregnancy*
Gynaecological ultrasound

PgD Clinical Ultrasound (Obstetrics and Gynaecology)

PgC (above) and:
Clinical background to obstetrics and gynaecology
Fetal Medicine
Plus 2 from the following :
Professional Development through Contract Learning
Management of the Organisation
Counselling and Communication

PgC Clinical Ultrasound (General Medical)

Scientific Principles and Instrumentation of Diagnostic Clinical Ultrasound
Plus
General Medical Ultrasound of the adult and child – normal
General Medical Ultrasound of the adult and child – pathology*
Vascular Ultrasound

PgD Clinical Ultrasound (General Medical)

PgC (above) and:
Vascular Ultrasound*
Clinical background to abdominal ultrasound
Professional Development through Contract Learning
Management of the Organisation
Counselling and Communication

PgD Clinical Ultrasound

Scientific Principles and Instrumentation of Diagnostic Clinical Ultrasound

Plus

Normal ultrasound appearances in pregnancy*

Abnormal ultrasound appearances in pregnancy*

Gynaecological ultrasound

General Medical Ultrasound of the adult and child – normal appearances*

General Medical Ultrasound of the adult and child – pathology*

Plus 2 from the following:

Professional Development through Contract Learning

Fetal Medicine

Management of the Organisation

Counselling and Communication

Vascular Ultrasound*

Core of MSc:

Research Methodology and Strategy

Dissertation

* Units containing practical or clinical components

This course has been designed to address the increasingly specialised needs of the sonographer by providing the knowledge base and developing the wide range of skills essential for safe and professional ultrasound practice. The programme is available to all health care professionals who have access to clinical ultrasound facilities for a minimum of 14 hours per week on average.

The academic knowledge is assessed by a variety of assessments including essay, examination and presentation. The clinical competencies are assessed using video facilities. Our philosophy is to combine relevant clinical skills with the depth and scope of knowledge necessary to enable students to develop a competent and reflective approach to their chosen fields of sonography.

For further details contact:

Michael Stocksley

Tel: +44 (0) 20 7815 7981

Fax: +44 (0) 20 7815 8099

E-mail: stockm@lsbu.ac.uk

LONDON SOUTH BANK UNIVERSITY

PgC/PgD/MSc in Nuclear Medicine

PgC/PgD/MSc in Clinical Imaging (Nuclear Medicine)

Mode of Study:	Combination of day and week-block release
Minimum Duration of:	PgC: 12 months (4 units) PgD: 2 years (8 units) MSc: 2 years (8 units plus dissertation)
Number of Places Available:	15 per year
Core units (PgCert):	Physics of Radionuclides and Radiation Detection Introduction to Nuclear Medicine Radiation Protection, Dosimetry and Applied Instrumentation Plus: *Advanced Practices in Nuclear Medicine or *Radiopharmacy
Core units (PgDip):	Physics of Radionuclides and Radiation Detection Introduction to Nuclear Medicine Radiation Protection, Dosimetry and Applied Instrumentation *Advanced Practices in Nuclear Medicine *Radiopharmacy
	* offered as week block
	(Plus 3 units from within the Faculty for PgDip)
Core for MSc:	Research Methodology and Strategy Dissertation

Clinical competencies and practical, workplace assignments are attached to all nuclear medicine specific units.

The philosophy of this course is to offer a depth and scope of knowledge, related to technical skills, to those involved in providing a Nuclear Medicine service. This specialist course will fully integrate theoretical knowledge with practical skills and facilitate the development of competent and reflective practitioners in their chosen field of nuclear medicine.

The nuclear medicine course is a specialist pathway within the postgraduate degree scheme in Professions Allied to Medicine.

Students have the flexibility to choose units from the scheme which would benefit their individual work situation. This is particularly relevant to students employed in radiology departments where some of the general units would complement the nuclear medicine specific units. Hence the awards available would depend on the proportion of nuclear medicine specific units studied.

Students select their preferred units from a wide choice of units from the Divisional Postgraduate Scheme (and across the Faculty) and are advised on an individual study plan.

Students are expected to spend a minimum of 14 hours a week in clinical nuclear medicine. Students studying the Radiopharmacy unit must spend a further minimum time of 20 hours to allow completion of the laboratory based assessment.

For further details contact:

Maureen Stocks
Tel: +44 (0) 20 7815 7931
Fax: +44 (0) 20 7815 8099
E-mail: stocksma@lsbu.ac.uk

LONDON SOUTH BANK UNIVERSITY

PgC/PgD/MSc in Cancer Therapies

Mode of Study: Combination of day and week-block release, afternoon and evening attendance and student directed study

Minimum Duration of: **PgC:** 12 months (4 units)
PgD: 2 years (8 units)
MSc: 2 years (8 units plus dissertation) (PT); 1 year (FT)

Number of Places Available: 30 per year

Core Units: A minimum of 4 of the following:
Advanced oncology
Changing perspective in Radiotherapy Practice
Pathology in Imaging and Radiation Oncology
Radiotherapy On Treatment Review
Management of Breast Disease
Professional Development of Contract Learning
Imaging Evaluation in CT and MRI for Oncology and Radiography

Plus a selection from (for example):

Management of the Organisation#
Law/Ethics/Philosophy in Health Care
Health Informatics
CPD in Practice: Student Directed Unit
Managing Education and Training in the Practice Environment
Genetics for Health Professionals
Equality and Values in Health and Social Care
Human Experience of the Spritual Domain
Human Development over the Lifespan
Design for Living
Counselling and Communication Skills
Interprofessional Practice

Core of MSc: Research Methodology and Strategy
Dissertation

The masters course has been designed as a natural academic progression for radiographers who wish to pursue their professional academic studies. Whilst accepting that students on this course will be involved in a busy professional life, we aim to encourage development of reflection in practice. This in turn will facilitate the formulation of research questions and help to affirm that professional practitioners are uniquely placed to explore and understand the interactions in their practice and working environment.

The course is unitised as part of the Postgraduate Scheme in Professions Allied to Medicine. The units are assessed by a variety of assignment styles.

Entry to the Scheme is through qualification and/or experience. Applicants wishing to be considered for APEL should apply directly to the Postgraduate Scheme Director for more information.

For further details contact:

Noreen Sinclair
Tel: +44 (0) 20 7815 7968
Fax: +44 (0) 20 7815 8099
E-mail: sinclana@lsbu.ac.uk

LONDON SOUTH BANK UNIVERSITY

PgC Radiographic Reporting of the Skeletal System

Mode of Study:	Combination of day -block release and student directed study
Minimum Duration of:	PgC: 12 months (4 units)
Number of Places Available:	20 per year
Core Units:	Principles of Image Evaluation and Reporting Radiographic Reporting of the Appendicular Skeleton Radiographic Reporting of the Axial Skeleton Degenerative and pathological processes of the skeletal system in a radiological context

The provision of this programme of study is to offer the participant a depth and scope of knowledge which incorporates a high level of clinical skill in the practice of image evaluation and reporting of the skeletal system. The units fully integrate theoretical knowledge with practical skill, facilitating the students development as a competent and reflective practitioner in the area addressed.

The four units comprising this course sit within the Postgraduate Programme in Diagnostic Imaging and Radiotherapy Sciences. Students may undertake the four units alone for the award of PgCert. In Radiographic Reporting of Skeletal System, or may take them as a part of a wider programme of study leading to PgDiploma.

Students should normally be state registered qualified radiographers, who are currently working in areas where they can obtain the appropriate reporting experience. They should have had a minimum of the equivalent of two years full time experience in general radiography within the last five years.

The student must provide written agreement from their Radiology Department OR Accident & Emergency/Minor Injuries Unit, indicating that the necessary experience required to achieve the competence which this programme addresses will be available. In addition the Chief Executive of the students hospital trust/unit, must provide written agreement to ensure legal indemnity.

For further details contact:

Jerry Hughes
Tel: +44 (0) 20 7815 7968
Fax: +44 (0) 20 7815 8099
E-mail: hughesj@lsbu.ac.uk

LONDON SOUTH BANK UNIVERSITY

PgC Mammographic Studies (In collaboration with the National Training Centre for Breast Cancer Screening based at Kings College Hospital)

Mode of Study:	Combination of day -block release, clinical block release and continuous assessment
Minimum Duration of:	PgC: 12 months (4 units)
Number of Places Available:	15 per year
Core Units:	Mammography Theory* Practical Mammographic Skills* Management of Breast Disease Plus one of the following: Screening Mammography Film Reporting Or another unit from within the Divisional Postgraduate Degree Scheme or across the Faculty

* Together these units provide the college of Radiographers Certificate of Competence in mammography

This programme of study offers the student a depth and scope of knowledge, which incorporates a high level of clinical skill in the practice of Mammographic imaging. The units fully integrate theoretical knowledge and practical skills, facilitating the student to develop as a competent and reflective practitioner in this area.

The programme assess academic and clinical components.

Academic assessment is conducted via a variety of methods including reflective practices, essays and case studies.

Clinical assessment takes the form of continuous work based assessment and a one-day summative assessment of their clinical skills. Throughout the programme the student is required to compile a portfolio of the examinations they have undertaken.

A major contributor to the success of the programme will be an identified clinical supervisor / mentor from the students department who will take a significant part in the student's clinical training as well as providing on site support.

For further details contact:

Val Vissicchio (Training Administrator, Breast Assessment Centre)

Tel: +44 (0) 20 7346 3870

Fax: +44 (0) 20 7346 4258

LONDON SOUTH BANK UNIVERSITY

PgC paediatric Radiography*

Mode of Study:	Combination of afternoon and evening – day release
Minimum Duration of:	PgC: 12 months (4 units)
Number of Places Available:	15 per year
Core Units:	Paediatric Imaging I* Paediatric Imaging II* Plus two units of relevance from the Postgraduate Degree Scheme, for example: Evidence Based Practice Professional Development through Contract Learning CPD in Practice- Student Directed Unit

* Subject to review of title

The provision of this programme of study is to offer the participant a depth and scope of knowledge surrounding the issues within paediatric imaging. The units aim to ingrate theoretical knowledge with practical skill, facilitating the students' development as a competent and reflective practitioner in the area addressed.

The course aims to develop practitioners' understanding of, and skills required to foster effective communication with sick children and their families in order to provide reflective and holistic care.

For further details contact:

Mark Gradwell
Tel: +44 (0) 20 7815 7973
Fax: +44 (0) 20 7815 8900
Email: grawemj@lsbu.ac.uk

LONDON SOUTH BANK UNIVERSITY

PgC/PgD MSc Clinical Magnetic Resonance

Mode of Study:	Day release, afternoon and evening
Minimum Duration of:	PgC: 12 months (4 units) PgD: 18 months (7 units) MSc: 2 years
Number of Places Available:	30 per year
Units Available:	Physics and Instrumentation*^ Magnetic Resonance of Neurological Tissues* Routine Techniques in Splanchnic Magnetic Resonance* Magnetic Resonance of Musculo-skeletal Tissues* Management Applied to Clinical Magnetic Resonance Specialised Techniques in Splanchnic Magnetic Resonance Evaluation of Developments in Magnetic Resonance Equipment and Techniques+ Research Methodology and Strategy (for MSc research dissertation) Research dissertation

*Clinical competencies are assessed as part of these units

^Compulsory unit

+PgD only

The philosophy of this course is to offer a depth and scope of knowledge, related to clinical skills, to those involved in providing a Magnetic Resonance Imaging service. The course fully integrates theoretical and practical skills and facilitates the development of competent and reflective practitioners in the field of Clinical Magnetic Resonance.

The course is unitised. It comprises one compulsory unit, optional units and for the MSc, a dissertation. Four units must be successfully completed for PgC and seven for PgD.

Applicants should normally hold a first degree or equivalent in a relevant subject area and must be able to demonstrate that they can satisfactorily complete the clinical aspects of the above.

For further details contact:

Tricia Fowler
Tel: 0171 815 7932
Fax: 0171 815 7933 (UK)
0171 815 8099 (International)
E-mail: mitchekl@lsbu.ac.uk

LONDON SOUTH BANK UNIVERSITY

PgC/PgD/MSc Radiation Oncology

Mode of Study:	Day release, afternoon and evening
Minimum Duration of:	PgC: 12 months (4 units) PgD: 18 months (7 units) MSc: 2 years (PT); 1 year (FT)
Number of Places Available:	30 per year
Units Available:	<u>Optional</u> Multiplanar Imaging Therapeutic Uses of Radiopharmaceuticals and Non-Imaging Techniques Management of the Organisation Health and Illness Applications of Technology in Imaging & Radiation Oncology Radiobiology and Radiation Protection Advanced Oncology Changing Perspectives in Radiotherapy Practice Counselling Skills Pathology in Imaging & Radiation Oncology Radiotherapy Localisation and Planning Radiotherapy Patient On-Treatment Review Law/Ethics/Philosophy in Health Care Social Construction of Women's Health and Related Technology Health Informatics Professional Development through Contract Learning <u>Core for MSc</u> Research Methodology and Strategy Dissertation

The master's course has been designed as a natural academic progression for radiographers who wish to pursue their professional academic studies. Whilst accepting that students on this course will be involved in a busy professional life we aim to encourage development of reflection in practice. This, in turn, will facilitate the formulation of research questions and help to affirm that professional practitioners are uniquely placed to explore and understand the interactions in their practice and working environment.

The course is unitised as part of the Postgraduate Programme in Diagnostic Imaging and Radiotherapy Sciences. The units are assessed by a variety of assignments. Participants select units to study from the list above.

Entry to the programme is through qualification and/or experience. Applicants wishing to be considered for APL should apply directly to the Programme Co-ordinator for more information.

For further details contact:

Linda V Castleton
Tel: 0171 815 7973
Fax: 0171 815 7933 (UK)
0171 815 8099 (International)

E-mail: castlelv@lsbu.ac.uk

UNIVERSITY COLLEGE SUFFOLK (Ipswich)

PgC/PgD/MA Interprofessional Health Care Education (awarded by University of East Anglia)

Mode of Study:	One week block release x 4 for PgC modules Afternoon and evening for PgD modules
Minimum Duration	PgC: 9 months
Maximum Duration	MA: 5 years
Number of Places Available:	15
Modules Available:	Learning and the management of professional education. Assessment and supervision. Health education in context. Critical evaluation in teaching and learning in specific settings. Methods of enquiry Dissertation

Entry Requirements	Professional qualification which entitles the student to State Registration with the HPC or N&MC. Minimum of Lower second class Honours degree. Evidence of the ability to study at Masters level.
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For further details contact:

School of Health
Suffolk College
Rope Walk
Ipswich
IP4 1LT

Tel: 01473 296611
Fax: 01473 296499
Website: www.suffolk.ac.uk

Course Leader
Jane Harvey – jane.Harvey@suffolk.ac.uk

UNIVERSITY COLLEGE SUFFOLK (Ipswich)

PgC Radiological Reporting of the Appendicular Skeleton (awarded by University of East Anglia)

Mode of Study:	2 x one week blocks and 1 x 2 week block
Minimum Duration	10 months
Maximum Duration	2 years
Number of Places Available:	15
Modules Available:	Fundamentals of radiological reporting and radiographic appearances of the appendicular skeleton (30 M level credits) Radiological reporting of trauma and pathology of the appendicular skeleton (30 M level credits)
Entry Requirements	Honours degree in diagnostic radiography or equivalent professional qualification which entitles the student to State registration with the HPC.

For further details contact:

School of Health
Suffolk College
Rope Walk
Ipswich
IP4 1LT

Tel: 01473 296611
Fax: 01473 296499
Website: www.suffolk.ac.uk

Course Leader
Christopher Cobb – chris.cobb@suffolk.ac.uk

UNIVERSITY OF TEESIDE (Middlesbrough)

PgD/MSc Allied Health Professional Studies (Diagnostic Radiography)

Method of Application:	Direct Entry
Number of Places Available:	12 Diagnostic per year (subject to contracts)
Additional Entry Requirements:	Standard Entry Minimum BSc (Hons) 2:2 or higher in a related discipline. e.g. Forensic Science, Sport Science, Biology, Genetics etc. Other Entry Other graduates may be able to access the course by completing various elements of the undergraduate course prior to entry.
Funding Arrangements:	<ul style="list-style-type: none">• Department of Health Bursaries for agreed number• Private fees
International Links:	ERAMUS UBTM, France, Waikato Hospital, North Island, New Zealand

For further details:

Prospectus Hotline: (01642) 218121

Course Leader – PgD/MSc

Susan Nixon
Principal Lecturer
Medical Imaging Group
School of Health & Social Care
Centuria Building
University of Teeside
Middlesbrough
TS1 3BA

Tel: (01642) 384921
Fax: (01642) 384105
Email: b.wilford@tees.ac.uk
Web: www.radiography.tees.ac.uk/

Admissions Officer

Philip Cosson
Admissions Officer
Medical Imaging Group
School of Health & Social
Care
Centuria Building
University of Teeside
Middlesbrough
TS1 3BA

Tel: (01642) 384175
Fax: (01642) 384105
Email: p.cosson@tees.ac.uk
Web: www.radiography.tees.ac.uk/

UNIVERSITY OF TEESIDE (Middlesbrough)

BSc (HONS) Diagnostic Radiography (code B821)

Method of Application:	Through UCAS (code TEES T20, B821)
Number of Places Available:	35 Diagnostic per year (subject to contracts)
Additional Entry Requirements:	<p>Standard Entry Minimum of 5 GCSE's to include English, Mathematics and a Science, all at grade C or above.</p> <p>'A' levels, AS/A2, AVCE, Scottish/Irish equivalent subjects 180-240 points (BB/CCC) Preferred subjects – Human Biology, Physics, Psychology</p> <p>BTEC National Diploma Pass all subjects with 2 Distinctions. 4 Merits (final yr) Preferred subject – Health Care Science.</p> <p>Other Entry We welcome all applications from mature or overseas students. These will be assessed on an individual basis.</p>
Funding Arrangements:	<ul style="list-style-type: none">• Department of Health Bursaries for agreed number• Private fees• LEA Mandatory Awards
International Links:	Student Negotiated Clinical Placements in 2 nd Year ERAMUS UBTM, France, Waikato Hospital, North Island, New Zealand
For further details:	

Prospectus Hotline: (01642) 218121

Course Leader – BSc

Barbara Wilford
Senior Lecturer
Medical Imaging Group
School of Health & Social Care
Centuria Building
University of Teeside
Middlesbrough
TS1 3BA

Tel: (01642) 384908
Fax: (01642) 384105
Email: b.wilford@tees.ac.uk
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Admissions Officer

Philip Cosson
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Medical Imaging Group
School of Health & Social
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Middlesbrough
TS1 3BA

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Email: p.cosson@tees.ac.uk
Web: www.radiography.tees.ac.uk/

UNIVERSITY OF TEESIDE (Middlesbrough)

PgC/PgD Medical Ultrasound

Mode of Study: Part-time, Block Release with some weekly evening and distant learning sessions

Minimum Duration of: **PgC:** 12 months
PgD: 24 months

Option Clinical Modules: General Medical Ultrasound
Obstetric Ultrasound
Vascular Ultrasound
Advancing Practice

This programme leads to the award of postgraduate certificate or postgraduate diploma in Medical Ultrasound. Students who complete the postgraduate diploma successfully may progress to the MSc in Health Sciences.

The programme's aim is to offer postgraduate ultrasound education that is relevant to practice, enabling students to achieve a level of confident competence as diagnosticians.

Students may wish to demonstrate continuing professional development by studying a single module for 12 or 24 credits. These modules are offered in clinical or professional subjects, leading to an award of a university certificate for postgraduate professional development (UCPPD).

Applicants, with at least 2 years post registration experience, must provide evidence that they can study at Masters level, have a first qualification in a health-related subject and the support of an appropriately qualified clinical supervisor in a recognised ultrasound unit.

For further details contact:

Rosemary Lee – Programme Leader
Tel: 01642 384140
Email: rosemary.lee@tees.ac.uk

UNIVERSITY OF ULSTER AT JORDANSTOWN

PgD/MSc Medical Science with possibility of transfer to Doctor of Medical Science

Mode of Study:	Part time or Full time
Minimum Duration of:	PgD: Full-time 2 semesters Part time 3 semesters MSc: Full-time 2-3 semesters (post PgD) Part time 3-6 semesters (post PgD)
Number of Places Available:	15-30 per module
Options in:	Medical Imaging Medical Ultrasound Radiation Oncology
Modules Available:	Appendicular Reporting Biology of Cancer Psychological Aspects of cancer care Fundamental Pharmacology Advanced Pharmacology Exercise Stress Testing in Cardiology Exercise Stress Testing in Clinical Practice Science & Technology of CT Clinical CT Science & Technology of MRI Clinical MRI Science & Technology of RNI Clinical RNI Clinical Practice in Medical Imaging (Record of clinical practice) Science & Technology of MU General Abdominal MU MU in Obstetrics & Gynaecology Vascular & Cardiac MU Clinical Practice in MU (Record of clinical practice) Developments in Radiation Oncology Clinical Studies in Radiation Oncology Clinical Practice in Radiation Oncology (Record of practice) Guidance & Counselling Clinical Teaching Intravenous Administration Health Care Law & Ethics Barium Enema Techniques Research Project

These courses are designed to provide clinically relevant and service driven postgraduate education for those working in the Medical Imaging, Medical Ultrasound, Radiation Oncology, Clinical Science and Medical Physics areas within the health service and also in health related industry and research fields. Participants may choose to follow specific clinical options in Medical Imaging, Medical Ultrasound and Radiation Oncology or they may choose a more generic option allowing a wider choice of modules related to service needs and/or personal interests. Students who proceed to MSc are required to submit an independently researched thesis.

DMedSc: Candidates gaining an overall score of 60% or greater in the MSc and who have a minimum of three years relevant professional experience may apply for transfer to the DMedSc to continue their research training to doctorate level by completion of an approved research project (or projects) and submission of a thesis.

For further details contact:

William Rea - Course Director	Tel: 02890 366117 – School Office
Tel: 028900366155	Tel: 02890 366096 – Faculty Office
E-mail: wh.rea@ulster.ac.uk OR	Fax: 02890 366028

UNIVERSITY OF WALES COLLEGE OF MEDICINE (Cardiff)

PgD Medical Ultrasound (awarded by University of Wales, Cardiff)

Mode of Study:	Day release
Minimum Duration of:	PgD: 18 months
Number of Places Available:	15
Modules Available:	Ultrasound Physics and Instrumentation Practice of Ultrasound (Obstetrics and Gynaecology) Practice of Ultrasound Imaging (General Medical) Clinical Education Extended Essay

Applications are accepted from radiographers who hold a BSc degree or the Diploma of the College of Radiographers. Applicants are normally expected to have worked for at least two years full time in a department of medical imaging after obtaining their state registration qualification.

To comply with the level of clinical education required it is necessary for students to be employed for a minimum of two days per week in a department of medical ultrasound, including university holidays.

For further details contact:

Gillian Leadbeatter
Tel: 01222 743 716
Fax: 01222 747 763

UNIVERSITY OF WALES COLLEGE OF MEDICINE (Cardiff)

PgD/MSc Radiography (awarded by University of Wales, Cardiff)

Mode of Study: Block release, 2-3 days every four to six weeks

Minimum Duration of: **PgD:** 24 months
MSc: 24 months

Number of Places Available: Up to 15

Modules Available: **Generic Modules**
Research Methods and Statistics
Health and Social Care Ethics and Law
Professional Development and Education

Profession Specific Modules
Digital Imaging
Radiation Protection and Applied Radiobiology
Fieldwork/Clinical Education
Health and Social Care Management Studies
Complementary Medicine and the ethico-legal implications for Oncology

Applications to the course are invited from therapeutic and diagnostic radiographers who have DCR/BSc and a minimum of two years post-qualification experience. The course is run in conjunction with the Departments of Physiotherapy Education and Occupational Therapy Education, with all generic and some profession specific modules being taken jointly alongside physiotherapy and occupational therapy students. All students undertake a compulsory module in Research Methods and Statistics plus three other modules, at least two of which must be profession specific.

Course assessment is via two written assignments per module. The PgD is awarded at the end of the second year on passing all assignments. Students who obtain 50% or more in assignments are eligible to progress to the MSc which is awarded on fulfilment of a 20,000 word research project.

For further details contact:

Paul Brown
Tel: 01222 744 599
Fax: 01222 747 763

UNIVERSITY OF WALES COLLEGE OF MEDICINE (Cardiff)

PgC Computed Tomography

Mode of Study:	Part-time
Minimum Duration of:	PgC: 12 months
Number of Places Available:	20
Modules Available:	Principles of CT Applied Anatomy Technique & Protocols

For further details contact:

Caroline Adams
Tel: 01222 744 169
Fax: 01222 747763

**CENTRES APPROVED TO OFFER SHORT COURSES ENDORSED BY
THE COLLEGE OF RADIOGRAPHERS'**

THE COLLEGE OF RADIOGRAPHERS' CLINICAL TEACHERS' CERTIFICATE COURSE

Cranfield University
Glasgow Caledonian University
University of Leeds
University College Suffolk

THE COLLEGE OF RADIOGRAPHERS' RADIATION PROTECTION SUPERVISORS COURSE

King's College London
University College Suffolk
University of Hertfordshire

RADIATION PROTECTION SUPERVISORS COURSE

Integrated Radiological Services Ltd (IRS) [no formal assessment of clinical application]
Northern Ireland Medical Physics Agency

THE COLLEGE OF RADIOGRAPHERS' CERTIFICATE OF COMPETENCE IN MAMMOGRAPHY

BUPA Health Screening Centre (links with University of Hertfordshire, PgC Radiographic Reporting (Mammography) under development)
Breast Screening Service West 2, King's (links with South Bank University)
Jarvis Breast Screening Training and Diagnostic Centre, Guildford (links with Kingston University, see entry for Kingston University)
North Western Regional Breast Screening Unit, Manchester (links with University of Salford, see entry for University of Salford)
Nottingham National Breast Screening Training Centre (links with University of Derby, see entry for University of Derby)
Breast Test Wales (links with University of Wales College of Medicine, PgC in Mammography under development)
Scottish Mammography Education Centre (links with Queen Margaret College (Edinburgh), see entry for Queen Margaret College).
University of Leeds (see entry for University of Leeds)

**THE COLLEGE OF RADIOGRAPHERS' CERTIFICATE OF COMPETENCE IN ADMINISTERING
INTRAVENOUS INJECTIONS**

University of Wales, Bangor
University of Central England in Birmingham
Cranfield University
Glasgow Caledonian University
University of Hertfordshire
University of Liverpool
University of Salford
St. Martin's College, Lancaster
University of Ulster
South Bank University
Tayside NHS Trust

ANATOMY COURSE FOR RADIOGRAPHERS

University of Edinburgh

BARIUM ENEMA COURSES

Cranfield University (Barium Enema Pathology and Imaging Technique)
St James's University Hospital
University of Teesside

CERTIFICATE OF COMPETENCE IN INTRAVENOUS INJECTIONS PROCEDURES

University College Dublin
NYCOMED

CERTIFICATE OF COMPETENCE TO RETURN TO RADIOGRAPHY (D&T)

University of Leeds

CORE OF KNOWLEDGE

Canterbury Christ Church University College
Cranfield University

MAGNETIC RESONANCE IMAGING

Alliance Medical Ltd

QUALITY ASSURANCE IN MEDICAL IMAGING

Integrated Radiological Services Ltd (IRS)

TRAUMA IMAGING

City University

ULTRASOUND: ASSESSMENT OF UTERINE CAVITY AND FALLOPIAN TUBE PATENCY

Princess Royal Hospital - Hull

UNDERGRADUATE MODULES IN COLLABORATIVE CARE

Oxford Brookes University

OSTEOPOROSIS

University of Derby

**CENTRES APPROVED TO OFFER POST REGISTRATION BSc(HONS) COURSES
ACCREDITED BY THE COLLEGE OF RADIOGRAPHERS'**

Anglia Polytechnic University	BSc/BSc(Hons) Radiography (Diagnostic or Radiotherapy)
University of the West of England	BSc(Hons) Radiography
University of Derby	BSc(Hons) Health Care
University of Leeds	BHSc Radiography or Health Sciences
Queen Margaret College, Edinburgh	BSc (Hons) Health Studies BSc Radiography
University College of Saint Martin	BSc(Hons) Radiography Studies

EDUCATION CENTRES OFFERING DENTAL RADIOGRAPHY FOR DENTAL NURSES

University of Wales (Bangor)

University of the West of England, Bristol

City University

University of Derby

University of Hertfordshire

University of Leeds

University of Portsmouth

Queen Margaret College

University of Salford

University College Suffolk

CONTACT ADDRESSES

Anglia Polytechnic University
 Department of Biomedical Sciences
 School of Applied Sciences
 Anglia Polytechnic University
 East Road
 CAMBRIDGE
 CB1 1PT
Tel: 01223 363271

University of Wales (Bangor)
 School of Radiography
 University of Wales (Bangor)
 Archimedes Centre
 Technology Park
 Croesnewydd Road
 Wrexham
 LL13 7YP
Tel: 01978 316205

University of Bradford
 School of Health Studies, Division of Radiography
 University of Bradford
 25 Trinity Road
 Bradford
 West Yorks
 BD5 0BB
Tel: 01274 236 315

University of the West of England
 School of Radiography
 Faculty of Health and Social Care
 University of the West of England
 Glenside
 Blackberry Hill
 Stapleton
 Bristol
 BS16 1DD
Tel: 0117 958 5655

Canterbury Christ Church University College
 Department of Radiography
 Canterbury Christ Church University College
 North Holmes Road
 Canterbury
 Kent
 CT1 1QU
Tel: 01227 767700 Ext. 2401

University of Central England in Birmingham
 Faculty of Health and Community Care
 University of Central England
 Cox Building
 Perry Barr
 Birmingham
 B42 2SU
Tel: 0121 331 5500

City University
 Department of Radiography
 City University
 Rutland Place
 Charterhouse Square
 LONDON
 EC1M 6PA
Tel: 020 7040 5060

Cranfield University
 The Academic Registry
 Cranfield University
 RMCS Shrivenham
 Swindon
 SN6 8LA
Tel: 01793 785 756

Radiographic & Medical Studies Group
 Centre for Radiographic & Medical Studies
 Department of Materials & Medical Sciences
 Cranfield University
 Shrivenham
 Swindon
 SN6 8LA
Tel: 01793 785 756

University of Derby
University of Derby
School of Radiography
Derbyshire Royal Infirmary
London Road
Derby
DE1 2QY
Tel: 01332 254635

Glasgow Caledonian University
Division of Radiography
School of Health & Social Care
Govan Mbeki Building
Glasgow Caledonian University
Glasgow
G4 0BA
Tel: 0141 331 8131

University of Hertfordshire
Department of Radiography
Faculty of Health and Human Studies
University of Hertfordshire
College Lane
Hatfield
Herts
AL10 9AB
Tel: 01707 284 960

Kingston University
School of Radiography
Faculty of Healthcare Sciences
Kingston University
Penrhyn Road
Kingston-upon-Thames
Surrey
KT1 2EE
Tel: 020 8547 7399

King's College London
Radiography Section
Department of Medical Engineering & Physics, KCL
King's College London
Bessemer Road
Denmark Hill
London
SE5 9RS
Tel: 020 7346 3491
Web site: <http://www.kcl.ac.uk/kis/schools/life-sciences/health/radiography/top.html>

University of Leeds
Division of Imaging and Radiotherapy Sciences
School of Healthcare Studies
Baines Wing
UNIVERSITY OF LEEDS
P O Box 214
Leeds
LS2 9UT
Tel: 0113 243 1751

The University of Liverpool
Department of Medical Imaging
Thompson Yates Building
The University of Liverpool
Quadrangle
Brownlow Hill
Liverpool
L69 3GB
Tel: 0151 794 5761

University of Portsmouth
Postgraduate Programme Leader
Centre for Radiography Education
University of Portsmouth
St George's Building
141 High Street
Portsmouth
PO1 2HY
Tel: 02392 845 389

Queen Margaret College
Department of Podiatry and Radiography
Queen Margaret College
Leith Campus
Duke Street
Edinburgh
EH6 8HF
Tel: 0131 317 3673

The Robert Gordon University
Dept of Radiography
School of Health Sciences
The Robert Gordon University
Faculty of Health and Social Care
Garthdee Road
Garthdee
Aberdeen AB10 7QG
Tel: 01224 263250

University of Salford
Department of Radiography
Faculty of Health Care & Social Work Studies
University of Salford
Allerton Building
Frederick Road
Salford
M6 6PU
Tel: 0161 295 2154
www: salford.ac.uk/radiography/radio.htm

St. Martin's College, Lancaster
Department of Radiography and Imaging Sciences
University College of St Martin
Bowerham Road
Lancaster
LA1 3JD
Tel: 01524 384639

University College Suffolk
East Anglian College of Radiography
School of Health & Applied Sciences
University College Suffolk
Rope Walk
Ipswich
IP4 1LT
Tel: 01473 296 366

University of Ulster
Registry Office
University of Ulster
Shore Road
Jordanstown
Newtownabbey
Northern Ireland
BT37 OQB
Tel: 01232 365 131 Ext. 6098

Sheffield Hallam University
School of Health & Community Studies
Sheffield Hallam University
Collegiate Crescent Campus
Sheffield
S10 2BP
Tel: 0114 225 2496

London South Bank University
Division of Professions Allied to Medicine
School of Health and Social Care
South Bank University
103 Borough Road
London
SE1 0AA
Tel: 020 7815 8000

University of Teesside
Department of Radiography
School of Health
University of Teesside
Borough Road
Middlesbrough
TS1 3BA
Tel: 01642 384110

University of Wales College of Medicine
Department of Radiography Education
School of Healthcare Studies
University of Wales College of Medicine
Heath Park
Cardiff
CF4 4XN
Tel: 029 20 744 169

Alliance Medical Ltd

Home Farm Drive
Upton
Banbury Oxon
OX15 6HU
Tel: 01295 678081

Princess Royal Hospital, Hull

Academic Department of Obs & Gynae
The Princess Royal Hospital
Salhouse Road
Hull
HU8 9HE
Tel: 01482 676835

Integrated Radiological Services Ltd (IRS)

Unit 188
Century Building
Tower Street
Brunswick Business Park
LIVERPOOL
L3 4BJ
Tel: 0151 709 6296/4431

Northern Ireland Medical Physics Agency

Radiation Protection & Imaging
Forster Green Hospital
110 Saintfield Road
Belfast
BT8 4HD

South East London Breast Screening Programme

King's Healthcare NHS Trust
West 2
King's College Hospital
Denmark Hill
London
SE5 9RS
Tel: 020 7346 3380

Manchester Breast Screening Service

North West National Training Centre
Withington Hospital
Nell Lane
Manchester
M20 0PT
Tel: 0161 291 3088

Breast Test Wales

West Breast Screening Centre
18 Cathedral Road
Cardiff
CF1 9LJ
Tel: 01222 397222

Nycomed

Nycomed House
2111 Coventry Road
Sheldon
Birmingham
B26 3EA
Tel: 0121 742 2444

St James's University Hospital

X-ray Department
St James's University Hospital
Beckett Street
Leeds
LS9 7TF
Tel: 0113 243 3144

Department of Anatomy

University of Edinburgh
Old College
South Bridge
Edinburgh
EH8 9YL
Tel: 0131 650 3114/3113

BUPA Health Screening Centre

Battle Bridge Road
300 Gray's Inn Road
London
WC1X 8DU
Tel: 020 7837 6484

Jarvis Breast Screening Training and Diagnostic Centre

Stoughton Road
Guildford
Surrey
GU1 1LJ
Tel: 01483 782000 **or**
01483 783229

Nottingham National Breast Screening Training Centre

City Hospital
Hucknall Road
Nottingham
NG5 1PB
Tel: 0115 9691689

Scottish Mammography Education Centre

Training Co-ordinator
West of Scotland Breast Screening Service
Breast Screening Centre
205 Calder Street
GLASGOW
G42 7PH
Tel: 0141 531 4400

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