PROGRAMME SPECIFICATION – POSTGRADUATE PROGRAMMES

KEY FACTS

<table>
<thead>
<tr>
<th>Programme name</th>
<th>Radiotherapy</th>
</tr>
</thead>
<tbody>
<tr>
<td>Award</td>
<td>MSc</td>
</tr>
<tr>
<td>School</td>
<td>School of Health Sciences</td>
</tr>
<tr>
<td>Department or equivalent</td>
<td>Division of Applied Biological, Diagnostic and Therapeutic Sciences</td>
</tr>
<tr>
<td>Programme code</td>
<td>PSRADR</td>
</tr>
<tr>
<td>Total UK credits</td>
<td>Part Time</td>
</tr>
<tr>
<td>Total ECTS</td>
<td>90</td>
</tr>
</tbody>
</table>

PROGRAMME SUMMARY

The programme is organised on a part-time basis. Depending on the module(s) studied in any one term this may be a one day per week basis or short blocks of three to four days. Distance learning modules do not have a set attendance pattern. The duration of the programme is based on the need to include the appropriate academic, clinical and professional elements appropriate for your individual study pathway. Your final award is determined by the number of masters level credits gained. There are three awards available from the programme: the Master of Science degree is the main award and the Postgraduate Diploma and Postgraduate Certificate are interim awards. In addition, individual modules of 15 and 30 Masters level credits can be studied for professional development purposes. In this case you would be awarded a certificate of credit and if you chose to continue with your postgraduate study this credit would be accepted toward your final postgraduate award.

Within this programme of study there are four different postgraduate certificate awards and four different postgraduate diploma awards and four different postgraduate MSc awards available and they are determined by the modules selected for study. To be awarded a specific postgraduate award in a clinical speciality, for example, Computed Tomography, you must successfully complete the Computed Tomography specific modules.

Length of study:
- Postgraduate Certificate - minimum of six months to one year of study
- Postgraduate Diploma - minimum of one to one and a half years of study
- Master of Science degree - minimum of two to three years of study

Maximum period of registration for the programme is 5 years part-time

The postgraduate programme in Radiography has been developed to provide advanced education in a range of clinical specialities. These are Computed Tomography, Diagnostic Imaging, Medical Magnetic Resonance and Radiotherapy. The programmes of study will enable you to apply scientific, research, professional and technical knowledge to your role within Radiography or Radiotherapy. These programmes will allow you to build on the knowledge & clinical experience gained from your professional
work complementing the experiences you already have and allow you to enhance your professional development and make a greater contribution to the investigatory healthcare process or treatment pathway.

**Aims**
The main aims of the programme are:

- to enhance the professional practice and personal development of practitioners
- to provide opportunities for discussion and shared experience between practitioners
- to enhance critical, analytical, professional, research & communication skills and promote the ability to relate these skills to individual clinical practice
- to further develop the skills necessary for life-long independent learning
- to prepare you to take on the professional roles of advanced practitioners
- to encourage you to act autonomously in planning & implementing tasks at a professional level
- to encourage you to develop originality in the application of knowledge to clinical practice
- to enhance your understanding of how established techniques of research and enquiry are used to interpret knowledge in your field.

**WHAT WILL I BE EXPECTED TO ACHIEVE?**

**On successful completion of this programme, you will be expected to be able to:**

**Knowledge and understanding:**
- Demonstrate a comprehensive understanding of the biological, professional, clinical and scientific principles which influence the practice of Radiography
- Apply relevant knowledge to a range of situations and show an understanding of the relationships between these
- Demonstrate a knowledge and understanding of the theoretical concepts and methods which inform and improve practice
- Demonstrate a critical awareness of current issues which are at the forefront of the discipline

**Skills:**
- Critically evaluate a range of evidence, techniques and protocols relevant to clinical practice and make informed judgements about its quality and appropriateness
- Manage your time appropriately and meet deadlines
- Critically reflect on your own learning and progress and how it can be transferred to practice
- Effectively use a range of information technology
- Demonstrate effective verbal and non-verbal communication skills
- Evaluate your own learning needs and plan your own continuing professional development
- Demonstrate autonomous/independent practice and professionalism
- Recognise, analyse and solve problems relating to clinical practice
- Undertake audit and research within the clinical environment
- Synthesise coherently and effectively the knowledge and expertise related to your area of practice
- Acquire and analyse information, evaluate its relevance and develop appropriate implementation strategies
- Evaluate your role in the delivery of a quality service
- Contribute to practice development and devise and implement schemes of work based on current evidence
- Develop and improve your own competence in recognised ways
- Seek and identify opportunities to apply new knowledge to your own and others practice in structured ways

Values and attitudes:
- Make sound decisions, which are ethically based in the interest of patients
- Recognise the medico-legal, ethical and professional frameworks and their impact on clinical practice
- Understand the differences in cultural practices and beliefs of groups and individuals
- Demonstrate the necessary professional values appropriate for conduct within clinical practice

HOW WILL I LEARN?

The programme design seeks to ensure you learn the required information, understand the appropriate topics and can apply these to your clinical and professional practice. A range of teaching and learning methods are used including formal lectures, seminars, tutorials, demonstrations/workshops, clinical practice, work based learning and self-directed study. Lectures are used to disseminate information to you, thus extending your knowledge in some areas and presenting you with new information in others. Seminars, tutorials and discussion sessions are used to reinforce the student centred approach to learning by allowing you to prepare and present material to your peer group and encourages an interchange of ideas. Clinical and professional practice occurs in the workplace where you will be able to develop clinical and professional skills and apply knowledge to a wide range of clinical situations. Self-directed study is used to encourage you to take responsibility for your own learning and to promote self-discipline and reflective skills.

WHAT TYPES OF ASSESSMENT AND FEEDBACK CAN I EXPECT?

Assessment and Assessment Criteria

The assessment scheme for this programme is designed to use a range of methods to assess the different skills required at an appropriate level. The assessments are designed in such a way that you will be developing your work based skills and engaging in advanced practice and research. You are required to be working in the clinical speciality in which you will be studying for the duration of your studies but it is accepted that this may not always be possible. Where this is the case you will undertake
negotiated assessments on the advice of the Programme and Module Leader. Students registered on the Radiography Programme may elect to study any of the modules from the elective list provided that the assignments for each module fully reflect the clinical speciality of the intended award. For example a radiotherapy student undertaking the Science and Instrumentation of Computed Tomography module would have to relate the assignments to the practices and issues within Radiotherapy. A Diagnostic Imaging student would have to relate the assignments to the practices and issues within Diagnostic Imaging.

The range of assessments is intended to give staff and you a clear picture of your progress over the whole programme and to highlight areas which require remedial action or where you are progressing well. On completion of each set of assessments you are provided with written and/or verbal feedback on your progress and you are encouraged to develop self-evaluation skills. The range of assessments includes unseen examinations, assignments, clinical case studies, oral and poster presentations, reflective clinical portfolio and independent research. Examinations assess your understanding of facts and concepts and their application to practice. Assignments give you the ability to explore specific topics in depth and to show evidence of the ability to put forward logical arguments, critically evaluate issues and communicate effectively in writing. Case studies assess your ability to look at a particular clinical situation and evaluate the use of the imaging/treatment modality in patient management, thereby assessing the application of knowledge to clinical practice. Presentations are used to assess your ability to put forward logical arguments, critically evaluate issues and communicate effectively using an oral or poster method. The Clinical portfolio acts as a measure of your clinical experience in areas of advanced practice accreditation and shows evidence of your reflective skills and progress.

Assessment Criteria are descriptions, based on the intended learning outcomes, of the skills, knowledge or attitudes that you need to demonstrate in order to complete an assessment successfully, providing a mechanism by which the quality of an assessment can be measured. Grade-Related Criteria are descriptions of the level of skills, knowledge or attributes that you need to demonstrate in order achieve a certain grade or mark in an assessment, providing a mechanism by which the quality of an assessment can be measured and placed within the overall set of marks. Assessment Criteria and Grade-Related Criteria will be made available to you to support you in completing assessments. These may be provided in programme handbooks, module specifications, on the virtual learning environment or attached to a specific assessment task.

Feedback on assessment

Feedback will be provided in line with our Assessment and Feedback Policy. In particular, you will normally be provided with feedback within three weeks of the submission deadline or assessment date. This would normally include a provisional grade or mark. For end of module examinations or an equivalent significant task (e.g. an end of module project), feedback will normally be provided within four weeks. The timescale for feedback on final year projects or dissertations may be longer. The full policy can be found at: https://www.city.ac.uk/__data/assets/pdf_file/0008/68921/assessment_and_feedback_policy.pdf
Assessment Regulations

In order to pass your Programme, you should complete successfully or be exempted from the relevant modules and assessments and will therefore acquire the required number of credits.

The Pass mark for each module is 50%.

If you fail an assessment component or a module, the following will apply:

1. Resit: you will normally be offered one resit attempt. However, if you did not participate in the first assessment and have no extenuating circumstances, you may not be offered a resit.

If you are successful in the resit, you shall be awarded the credit for that module. The mark used for the purpose of calculation towards your Award shall be calculated from the original marks for the component(s) that you passed at first attempt and the minimum pass mark for the component(s) for which you took a resit.

If you do not satisfy your resit by the date specified you will not progress and the Assessment Board shall require that you withdraw from the module and possibly the Programme.

If you fail to meet the requirements for the Programme, but satisfy the requirements for a lower-level Award, then a lower qualification may be awarded as per the table below. If you fail to meet the requirements for the Programme and are not eligible for the award of a lower level qualification, the Assessment Board shall require that you withdraw from the Programme.

If you would like to know more about the way in which assessment works at City, please see the full version of the Assessment Regulations at: http://www.city.ac.uk/__data/assets/word_doc/0003/69249/s19.doc

WHAT AWARD CAN I GET?

Master's Degree:

<table>
<thead>
<tr>
<th>HE Level</th>
<th>Credits</th>
<th>Weighting (%)</th>
<th>Class</th>
<th>% required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dissertation 7</td>
<td>60</td>
<td>33.5</td>
<td>With Distinction</td>
<td>70</td>
</tr>
<tr>
<td>Taught / distance learning 7</td>
<td>120</td>
<td>66.5</td>
<td>With Merit</td>
<td>60</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Without classification</td>
<td>50</td>
</tr>
</tbody>
</table>

Postgraduate Diploma:

<table>
<thead>
<tr>
<th>HE</th>
<th>Credits</th>
<th>Weighting</th>
<th>Class</th>
<th>% required</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Postgraduate Certificate:

<table>
<thead>
<tr>
<th>Level</th>
<th>Credits</th>
<th>Weighting (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Taught distance learning</td>
<td>7</td>
<td>60</td>
</tr>
<tr>
<td>With Distinction</td>
<td>70</td>
<td></td>
</tr>
<tr>
<td>With Merit</td>
<td>60</td>
<td></td>
</tr>
<tr>
<td>Without classification</td>
<td>50</td>
<td></td>
</tr>
</tbody>
</table>

**WHAT WILL I STUDY?**

Postgraduate Certificate in Radiography (Radiotherapy) any elective modules may be studied for this award

Postgraduate Diploma in Radiography (Radiotherapy) the core modules of RCM011 and one module from either RCM005 (Evidence Based Practice) or RCM010 (Student Negotiated Module 1) or RCM126 (Student Negotiated Module 2) and the rest selected from elective modules

MSc Radiography (Diagnostic Imaging or Radiotherapy) to obtain a minimum of 180 credits and include core modules of RCM011 (Research Methods), RCM012 (Dissertation), and one module from either RCM005 (Evidence Based Practice) or RCM010 (Student Negotiated Module 1) or RCM126 (Student Negotiated Module 2) and the rest selected from elective modules.

<table>
<thead>
<tr>
<th>Module Title</th>
<th>SITS Code</th>
<th>Module Credits</th>
<th>Core/Elective</th>
<th>Can be Compensated?</th>
<th>Level</th>
</tr>
</thead>
<tbody>
<tr>
<td>Research Methods</td>
<td>RCM011</td>
<td>15</td>
<td>C</td>
<td>N</td>
<td>7</td>
</tr>
<tr>
<td>Dissertation</td>
<td>RCM012</td>
<td>60</td>
<td>C</td>
<td>N</td>
<td>7</td>
</tr>
<tr>
<td>Education in the Work Place</td>
<td>RCM002</td>
<td>15</td>
<td>E</td>
<td>N</td>
<td>7</td>
</tr>
<tr>
<td>Evidence Based Practice</td>
<td>RCM005</td>
<td>15</td>
<td>E</td>
<td>N</td>
<td>7</td>
</tr>
<tr>
<td>Student Negotiated Module 1</td>
<td>RCM010</td>
<td>15</td>
<td>E</td>
<td>N</td>
<td>7</td>
</tr>
<tr>
<td>Diagnostic Pathways</td>
<td>RCM013</td>
<td>30</td>
<td>E</td>
<td>N</td>
<td>7</td>
</tr>
<tr>
<td>Forensic Imaging</td>
<td>RCM119</td>
<td>30</td>
<td>E</td>
<td>N</td>
<td>7</td>
</tr>
<tr>
<td>Work-Based Learning in Practice 1</td>
<td>RCM120</td>
<td>15</td>
<td>E</td>
<td>N</td>
<td>7</td>
</tr>
<tr>
<td>Science and Instrumentation of Computed Tomography</td>
<td>RCM123</td>
<td>30</td>
<td>E</td>
<td>N</td>
<td>7</td>
</tr>
</tbody>
</table>
You are normally required to complete all the taught modules successfully before progressing to the dissertation.

**WILL I GET ANY PROFESSIONAL RECOGNITION?**

**Accrediting Body:** College of Radiographers

**Nature of Accreditation**
Professional Body Accreditation

**HOW DO I ENTER THE PROGRAMME?**

The minimum entry qualifications for applicants to the postgraduate programme in Radiography will be:
- Honours degree in Radiography or other relevant health related subject from a UK university or
- Appropriate professional qualifications e.g. Diploma of the College of Radiographers
- International qualifications in Radiography may be acceptable if the holder is able to gain registration with the Health Professions Council
- Any applicant with non-standard qualifications may apply subject to confirmation that their qualifications
- are acceptable and equivalent to an Honours degree in Radiography from a UK university
- Normally, applicants should have a minimum of 1 year of clinical experience in the clinical speciality in which they wish to study before starting the course and should continue in clinical practice while on the programme

**APL/AP(E)L Requirements**
In accordance with the University Equal Opportunities Policy all applicants are advised that they may apply for exemption from specific modules. It is recognised that there may...
be applications to the programme from students who have completed a postgraduate certificate or postgraduate diploma at another university. To obtain exemption the applicant must provide the department with a portfolio of prior achievement(s) in which specific details such as course title, level and credits gained the learning outcomes, course content and assessment methods are presented. The applicant is invited to present this evidence at interview for the panel to review. It is the responsibility of the applicant to initiate any claim for exemption of any part of the course. All requests for exemption are subject to the approval of the Programme Management Team.

Where a student has gained a postgraduate certificate or postgraduate diploma in a radiography related subject such as Computed Tomography or Medical Magnetic Resonance from another university, and wishes to continue their studies at City University, it will be necessary for that student to undertake the required number of modules in order to gain the number of credits for their intended award. For example, where a student has a Postgraduate Certificate in Computed Tomography they will be awarded a maximum of 60 m level credits and be expected to study additional modules to gain the required 120 credits for a Postgraduate Diploma or 180 credits for a Masters Degree.

Version: 1.0
Version date: July 2012
For use from: 2012-13