

Module Specification

Module Summary Information

1	Module Title	Radiography Research
2	Module Credits	40
3	Module Level	6
4	Module Code	RAD6063

5	Module Overview
<p>Rationale</p> <p>This core module provides you with experience in developing a research proposal which will underpin your future radiography practice in line with the aims of the College of Radiographers and the Health Care Professions Council (HCPC) to embed research throughout the profession. It will require you to develop independence, initiative, innovation and an adaptable approach, to be able to problem solve. In particular, you will be required to apply, develop and propose an appropriately safe research methodology to a radiography related topic of your own choosing. You will develop a proposed example to demonstrate your grasp of how a research proposal might be implemented, taking into account the ethical implications of research. This is a task that will require the development of research skills and demonstrating the understanding and application of research approaches.</p> <p>The module aims to provide you with first-hand experience of devising a research proposal. It will also develop your skills of enquiry surrounding the provisional state of knowledge in identifying a gap and hence contribute to the body of knowledge. You will develop a clear link between research methodology and the state of knowledge of clinical practice which will further develop your understanding of the ethical implications and management of risks in research and radiography practice.</p> <p>Alignment with Programme Philosophy and Aims</p> <p>This module will develop your skills of enquiry and prepare you for applied practice led knowledge and has the potential to enable you, through enquiry and problem solving, to pursue excellence. Successful graduates will gain the skills and knowledge for employment in the healthcare sector to undertake and use research within their scope of practice. This is in line with the Society and College of Radiographers vision for research in the profession, as detailed in the 2016-2021 Society and College of Radiographers Research Strategy which aims to embed research into both diagnostic radiography and radiotherapy practice and education in order to continuously improve patient care.</p> <p>Learning and Teaching Strategy</p> <p>The module will be taught through a series of key-note lectures and will involve small group exercises in the analysis of published research and using systematic approaches in undertaking problem solving and developing solutions to research scenarios. These will be supported by online resources on Moodle. You will also undertake independent study on your topic and will be supported by a guiding research supervisor to enable you to discuss and develop you approaches to solving your research question. You will have the chance to gain an insight into the work of other imaging professionals and their perspectives on patient care during interdisciplinary sessions as this is a joint module.</p>	

Assessment Strategy

The assessment will consist of one 5000 word assignment and a 1000 word written reflection of the supervisory process, based on a research journal of gathered evidence of supervisory discourse.

You will be allocated a research proposal supervisor. It is your responsibility to arrange tutorials with your supervisor to discuss your ideas and progress at regular intervals. Do not expect your supervisor to provide solutions for you, they are available for you to discuss your idea and explore possibilities that you incorporate into your proposal. The supervisor will guide you in your progress.

You will need to keep notes on your progress and supervision which will be submitted as a portfolio of evidence of engagement with the research supervision process at the same time as your proposal submission.

6	Indicative Content
	<ul style="list-style-type: none"> • The problem with knowledge • Choosing your topic • Focussing the research • What are the expectations of the proposal • Ethical theories and Principles • The purpose of a literature review • Evaluating literature reviews • What am I going to do my proposal on? • Developing the research question. • Approaches to finding the literature • Methodological approaches to research • Research design • Instrumentation • Data collection • Approaches to consent, confidentiality, data protection, NHS ethics application / requirements. • Methods of data collection • Manipulation of data • Data analysis methods and application of statistical techniques. • Risk in research • Managing the risks • Is your research is ethical?

7	Module Learning Outcomes
	On successful completion of the module, students will be able to:
	1 Develop, rationalise and contextualise an issue within the profession by taking a critical and discursive approach towards formulating a research question.
	2 Devise and rationalise a safe and ethical methodological approach including data analysis to enable a research question / hypothesis to be solved.
	3 Demonstrate a comprehensive understanding of ethics and integrate the management of ethical issues arising within the proposal.
	4 Demonstrate your skills as a reflective practitioner by including your reflections on the supervisory process, based on a research journal of gathered evidence of supervisory discourse.

8 Module Assessment			
Learning Outcome			
	Coursework	Exam	In-Person
1-4	X		

9 Breakdown Learning and Teaching Activities	
Learning Activities	Hours
Scheduled Learning (SL) includes lectures, practical classes and workshops, peer group learning, Graduate+, as specified in timetable	16
Directed Learning (DL) includes placements, work-based learning, external visits, on-line activity, Graduate+, peer learning, as directed on VLE	16
Private Study (PS) includes preparation for exams	368
Total Study Hours:	400