

<b>Module Details</b>	
<b>Module Title:</b>	Imaging in Context
<b>Module Code:</b>	RAD6004-C
<b>Academic Year:</b>	2019-20
<b>Credit Rating:</b>	30
<b>School:</b>	School of Allied Health Professions and Midwifery
<b>Subject Area:</b>	Radiography
<b>FHEQ Level:</b>	FHEQ Level 6
<b>Pre-requisites:</b>	
<b>Co-requisites:</b>	

<b>Contact Hours</b>	
<b>Type</b>	<b>Hours</b>
Lectures	20
Clinical Placement	181
Tutorials	10
Directed Study	89

<b>Availability</b>	
<b>Occurrence</b>	<b>Location / Period</b>
BDA	University of Bradford / Academic Year (Sept - May)

<b>Module Aims</b>
To recognise and understand the value of imaging in the diagnosis and treatment of disease through exploration and evaluation of multidisciplinary working and clinical decision making.

<b>Outline Syllabus</b>
Review of medical imaging techniques. Choice of imaging modality with respect to patient presentation, associated pathology/trauma and the need to optimise dose and image quality.
NHS structure, future roles and service development. Multidisciplinary teams and the effect of guidelines and legislation on the decision making process. Ethical decision making,

contemporary issues impacting on health and social care practices. Equality of access to patient centred care. Patient compliance/ non compliance.

Radiation dose, sources, hazards, effects, protection and treatment. Oncology, including ionising effect on oncological cell evolution, grading and staging common cancers. Palliative care.

Presentation and PowerPoint skills. Additional material customised according to individual student choice of subject for assessments 1 and 2.

### Learning Outcomes

1	1.1 critically assess the validity of requests for medical imaging with particular reference to existing legislation governing radiation protection of the patient 1.2 critically evaluate the contribution of imaging to an optimised diagnosis and treatment plan. 1.3 critically evaluate how scientific research informs legislation on the application of radiation protection of all categories of personnel.
2	2.1 appraise the psychological impact medical investigation and treatment has on individual patients 2.2 identify and evaluate professional scope of practice in the context of Inter-Professional and multi-agency working. 2.3 demonstrate an understanding of professional accountability 2.4 apply radiological protection and dosimetry principles to radiographic practice
3	3.1 exploit appropriate technology to disseminate information 3.2 evaluate and improve own learning through planning and prioritising learning activities 3.3 plan and deliver an oral presentation.

### Learning, Teaching and Assessment Strategy

Key lectures will explore the evidence base supporting the major topics within the module syllabus and provide the grounding for the students own choice of subject matter for the case study assessment.

Tutorials with the teaching team and personal academic tutor will give support and guidance for the students learning activities and explore assessment marking criteria. Students will take responsibility for deciding on an area of directed study and arranging to work shadow members of the clinical multidisciplinary team meetings. During this time students will identify a suitable patient case which will allow them the opportunity to gain consent, reflect on, and critically review the role of imaging in clinical decision making for the case study assessment; the application of radiation protection for the presentation and clinical eportfolio.

Having explored their chosen patient's case, for the presentation students will then choose to examine the professional role, at both local and national level, of one profession involved in their chosen patients care pathway.

Learning outcomes 1.1, 1.2, 2.1, 2.4 and 3.2 will be assessed wholly or partially via a case study which will evaluate a symptomatic patients care pathway from presentation at either primary or secondary care through to diagnosis and treatment plan formulation.

Learning outcomes 2.2, 2.3, 3.1, 3.2 and 3.3 will be assessed wholly or partially via a Presentation exploring the role of a Health Care Profession involved with the original case study.

Learning outcomes 1.1, 1.3, 2.2, 2.4 and 3.2 will be assessed wholly or partially via an e-portfolio.

Mode of Assessment				
Type	Method	Description	Length	Weighting
Summative	Presentation	15 min oral presentation, 5 minutes of questions. Evaluation of the role of a health care professional who was involved (must pass at 40%)		20%
Summative	Coursework	Case study based assignment (3000 words) (must pass at 40%)	0 hours	60%
Summative	Clinical Assessment	e-portfolio (must pass at 40%)	0 hours	20%

### Reading List

To access the reading list for this module, please visit <https://bradford.rl.talis.com/index.html>.

*Please note:*

*This module descriptor has been published in advance of the academic year to which it applies. Every effort has been made to ensure that the information is accurate at the time of publication, but minor changes may occur given the interval between publishing and commencement of teaching. Upon commencement of the module, students will receive a handbook with further detail about the module and any changes will be discussed and/or communicated at this point.*