

Practicing Radiography in a Diverse Society

Module Code:	RAD5006-D
Academic Year:	2018-19
Credit Rating:	40
School:	School of Allied Health Professions and Midwifery
Subject Area:	Radiography
FHEQ Level:	FHEQ Level 5
Module Leader:	Mr Terry Lodge

Additional Tutors:
Mrs Gillian Clough, Mr James Beck, Mr Edward Cadogan

Pre-requisites:

Co-requisites:

Contact Hours

Type	Hours
Lectures	70
Seminar	15
Clinical Placement	240
Laboratory	4
Directed Study	70

Availability Periods

Occurrence	Location/Period
BDA	University of Bradford / Academic Year (Sept - May)

Module Aims

Provide the student with the knowledge, understanding and skills required to safely practice modified radiographic techniques and procedures for a diverse range of patients.

Outline Syllabus

Reflection on stage 1 learning and feedback, study skills & University resources. Mandatory Pre-Practice Placement Training (MPPPT): Basic Life Support, Moving and Handling, Fire Safety, Student and Patient Safety, Equality, Diversity and Human Rights, Infection Control/Hand Hygiene, Information Governance. NHS Constitution, values and behaviours. Human factors and error theory. Rights, dignity and autonomy, empowering patients, users and the public in decision making, non-discriminatory practice and relevant legislation. Promotion of equality of health care within diverse communities. Inequalities in health and access to health care, public health. The roles of the patient and health care worker, patient autonomy, respect, dignity & advocacy. Codes of professional conduct and registration, competence and negligence, health and social policy; confidentiality, informed consent and duty of care, communication; inter-professional collaboration; team working. Radiography in: trauma and forensic imaging, paediatrics, older adults, clients with learning and physical impairments. Common pathologies; choice and operation of equipment; adaptation of technique; selection of exposure factors and radiation protection; patient care. Mobile radiography; ward, theatre & critical care. Image interpretation; identifying imaging limitations. X-ray tube and generator design, circuitry & operation; image acquisition technology, exposure control mechanisms, controlling scatter, image quality and optimisation; mobile X-ray equipment, quality assurance & fluoroscopy.

Module Learning Outcomes

On successful completion of this module, students will be able to...

- 1.1 Evaluate underlying social issues which may lead to inequalities in access & use of health care.
- 1.2 Evaluate the physical and psychological needs for a diverse group of patients to enable the highest standards of care.
- 1.3 Demonstrate and apply knowledge and understanding of ethical, legal & professional issues within inter-professional teams.
- 1.4 Analyse human factors theory & its implications for inter-professional practice.
- 1.5 Reflect on the impact that human factors can have upon your own professional practice.
- 1.6 Evaluate radiographic technology in relation to image optimisation & quality.
- 2.1 Select appropriate equipment, plan, manage, implement and evaluate imaging procedures that are appropriate to, and take account of the individual patient's health status and psychological and physical needs for a diverse range of patients.
- 2.2 Operate X-ray equipment safely and effectively both in the X-ray department and in other locations, optimising the examination relative to the patient's condition and the surrounding environment.
- 2.3 Analyse the characteristics of an image to measure and assess its technical and diagnostic quality, and undertake quality assurance tests.
- 3.1 Communicate effectively with patients, carers and health and social care professionals including Tier 1 dementia awareness.
- 3.2 Plan, monitor and evaluate your personal skills in a range of contexts and settings including the role of candour.

3.3 Demonstrate an ability to undertake inter-professional teamwork

3.4 Evaluate your own learning by critical reflection.

Learning, Teaching and Assessment Strategy

This module gives students the opportunity to reflect on their learning in stage 1 and assist them in the transition to stage 2 learning. Students will achieve the module learning outcomes by following an integrated approach to learning which is undertaken through both academic study and placement learning (indicated below by `Other` hours of study).

Lectures will focus on several themes: professionalism; equality and diversity which will focus on learning about and from service users with complex health care needs.; safe practice; technology and quality assurance. Tutorials: students will be supported by their personal academic tutor. Group discussions with service users to give an insight to their care needs to encourage them to understand how they might adapt their approach to patient care. Using case studies and scenarios students will work with other health care students to consider integrated approaches to care. Other: Students will gain experience using mobile radiographic and fluoroscopic equipment and understand their limitations and how to optimise the image and keep radiation dose as low as possible. Interprofessional responsibility for safety will be a theme.

Formative feedback will support assessments in clinical practice will assess the achievement of LO2.1, 2.2, 2.3, 3.1, 3.2, 3.3, 3.4. Assessment of LO1.6, will be a technical report - design and practical application of x-ray technology.

Assessment of learning outcomes 1.1, 1.2, 1.3, 1.4, 1.5 3.2 will take the form of a 2000 word reflective assignment based on clinical practice.

Mode of Assessment

Type	Method	Description	Length	Weighting	Final Assess'
Summative	Coursework	Assessment of X-ray technology via a technical report (2000 words)	0-2000 words	30%	No
Summative	Clinical Assessment	e-Portfolio: to include a 2500 word reflective essay demonstrating how the portfolio demonstrates achievement of the LO	0-2500 words	40%	Yes

Summative	Clinical Assessment	Semester 1 paper based clinical portfolio	30%	No
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Legacy Code (if applicable)

Reading List

To view Reading List, please go to [rebus:list](#).