

Module Details	
Module Title	Practicing Radiography in a Diverse Society
Module Code	RAD5006-D
Academic Year	2022/3
Credits	40
School	School of Allied Health Professions and Midwifery
FHEQ Level	FHEQ Level 5

Contact Hours	
Type	Hours
Clinical Placement	190.5
Lectures	45
Online Lecture (Synchronous)	10.5
Practical Classes or Workshops	22.5
Seminars	7.5
Groupwork	20
Independent Study	104

Availability	
Occurrence	Location / Period
BDA	University of Bradford / Academic Year

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.

Learning Outcomes

Outcome Number	Description
01	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.
02	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.
03	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 blended academic study and placement learning . 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. Online seminars: 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. Clinical placement and clinical simulation (on campus): 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. E-learning for health online packages will be used for the Mandatory Pre-Practice Placement Training (MPPPT) training updates.

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 learning outcome 1.6, will be a 2 hour closed book examination assessing 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 group poster presentation based on reflections of clinical practice.

Assessment of learning outcomes 2.1, 2.2, 2.3 will be a portfolio of clinical practice.

Mode of Assessment

Type	Method	Description	Weighting
Summative	Examination - Closed Book	Exam of Xray technology (2 Hrs)	40%
Summative	Clinical Assessment	e-Portfolio of clinical practice	30%
Summative	Presentation	Group poster on an aspect of clinical practice (reassessment reflection of individual contribution)	30%

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.