

Module Details	
Module Title	Projectional Radiography 1
Module Code	RAD4502-B
Academic Year	2023/4
Credits	20
School	School of Allied Health Professions and Midwifery
FHEQ Level	FHEQ Level 4

Contact Hours	
Type	Hours
Directed Study	3
Independent Study	138.5
Seminars	6
Lectures	7.5
Placement	45 (of which 22.5 are virtual simulated placement activities)

Availability	
Occurrence	Location / Period
BDA	University of Bradford / Semester 1

Module Aims
The module will provide students with the knowledge and skills to safely undertake radiographic imaging techniques of the upper limb and chest, recognising the importance of referral history and examination justification under UK legislation and effective care and communication of patients.

Outline Syllabus

Anatomy (functional and radiographic) and physiology of upper limb bones, soft tissues and relevant ligament and tendon attachments and muscle actions; thoracic viscera; and bone growth and development.
 Clinical history, symptoms, and mechanism of injury linked to imaging referrals for the upper limb and chest in trauma and acute clinical context.
 Legal expectations of referral, principles of justification and optimisation and the role of the radiographer with regards to IRMER.
 Routine radiographic imaging techniques of the upper limb and chest.
 Technical factors impacting on image quality and acceptability criteria of radiographs of upper limb and chest and associated common anatomical presentation.
 Examination related patient communication, assessment, care and safety.
 Basic first aid and life support, moving and handling, safe removal of bandages and slings, infection control.

Learning Outcomes

Outcome Number	Description
01	Understand patient referral pathways through trauma, orthopaedics and respiratory medicine and differing presentation criteria and radiographic imaging techniques related to the upper limb and chest.
02	Describe the normal anatomy, physiology and common pathologies of the upper limb and chest using appropriate terminology.
03	Perform routine radiographic examinations of the upper limb and chest applying associated principles of patient safety, communication and care.
04	Discuss the technical factors influencing image quality and the acceptability criteria for routine radiographic examinations of the upper limb and chest.

Learning, Teaching and Assessment Strategy

Keynote lectures will introduce key module themes using case studies to develop student understanding of the patient referral pathway and importance of evaluating a wide range of information that may influence the approach taken to imaging, treatment and care of the patient. Face to face learning activities will include virtual and practice simulations and scenario activities supported by a simulation portfolio to enable students to apply their knowledge and understanding and gain practical skills. Asynchronous directed learning activities will support the development of independent learning skills through reflection and self-assessment of understanding of the learning materials. The reading list and CANVAS VLE materials will support further exploration of the module syllabus to provide learning extension for students.

The assessment of learning outcomes 1,2,3 & 4 will be via a 3 station OSCE examining student understanding of clinical referral information and impact on examination planning; student practical image acquisition skills including patient communication and care; and student ability to review radiographic images and assess anatomical appearances and the diagnostic value of the image to answer a clinical question.

Mode of Assessment

Type	Method	Description	Weighting
Summative	Objective Structured Clinical Examination	N/A	100%
Formative	Coursework	Formative simulation portfolio activities	N/A

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.

© University of Bradford 2023

<https://bradford.ac.uk>