UNIVERSITY of BRADFORD

Module Descriptor

Module Details	
Module Title	Radiography of the axial skeleton
Module Code	RAD4003-C
Academic Year	2021/2
Credits	30
School	School of Allied Health Professions and Midwifery
FHEQ Level	FHEQ Level 4

Contact Hours	
Type	Hours
Lectures	30
Seminars	6
Interactive Learning Objects	18
Practical Classes or Workshops	18
Directed Study	50
Independent Study	125.5
Clinical Placement	52.5

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

Module Aims
Students will study the anatomy, physiology, common pathology and radiographic technique (including the role of computed tomography), including patient care, of the axial skeleton and chest and be introduced to the physical concepts of X-ray interactions and image optimisation.

Outline Syllabus
Macroscopic, microscopic and radiographic anatomy, physiology and pathology of the axial skeleton. Radiographic technique and radiation protection for a comprehensive range of routine radiographic examinations of the axial skeleton. Introduction to the use of CT; clinical indications; image evaluation. Patient care and equality of service provision for a diverse population. Working as part of a health care team.

Learning Outcomes	
Outcome Number	Description
01	Describe normal anatomy, physiology and common pathologies of the axial skeleton
02	Differentiate normal radiographic appearances from common pathologies of the axial skeleton and identify when other imaging modalities would be a more appropriate examination.
03	Describe the radiographic technique for routine examinations of the axial skeleton and identify when CT would be a more appropriate examination
04	Evaluate radiographic images of the axial skeleton using appropriate terminology
05	Recognise common clinical indicators for radiographic examinations of the axial skeleton.
06	Gain informed consent for and perform appropriate routine radiographic examinations of the axial skeleton safely and effectively.
07	Practice appropriate patient care and understand the need to ensure equality in service provision for a diverse population
08	Select appropriate equipment and settings for radiographic examinations of the axial skeleton
09	Self-assess your personal transferable skills, demonstrate time organisational skills and create an action plan of how you will implement strategies for improvement.
10	Communicate effectively with clinical colleagues and members of the public.

Learning, Teaching and Assessment Strategy

Students will achieve the module learning outcomes by following an integrated approach to learning which is undertaken through academic study, practice simulation and placement learning.

Lectures: An integrated approach introduces the student to the more complex axial skeleton system and supporting physical principles and technology. Lectures using research informed teaching to deliver team based learning activities. Activities will explore the topics shown in the outline syllabus and provide students with opportunities for regular feedback on their progress towards achieving the module learning outcomes . Lectures are supported by practicals, learning objects and seminars using both the Picture Archiving and Communication System suite and the X-ray suite. Image optimisation, a crucial part of this area of radiography, is studied giving students the opportunity to learn how to use appropriate equipment in the practice setting whilst gaining supervised clinical experience.

Achievement of learning outcomes 1,2,3,4 and 5 are assessed using a series of case reports in the personal development e-portfolio. Learning outcomes 6,7,8,9 and 10 are assessed by completion of a practice simulation portfolio.

Mode of Assessment

Type	Method	Description	Weighting
Summative	Coursework - Portfolio/e-portfolio	Case study series in ePortfolio	70%
Summative	Coursework - Portfolio/e-portfolio	Paper-based practice simulation portfolio	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.
