



Module Specification

Principles of Radiographic Imaging Technique

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Contents

Module Specification	1
Part 1: Information	2
Part 2: Description	2
Part 3: Teaching and learning methods	4
Part 4: Assessment	4
Part 5: Contributes towards	6

Part 1: Information

Module title: Principles of Radiographic Imaging Technique

Module code: UZYKGS-30-1

Level: Level 4

For implementation from: 2021-22

UWE credit rating: 30

ECTS credit rating: 15

Faculty: Faculty of Health & Applied Sciences

Department: HAS Dept of Allied Health Professions

Partner institutions: None

Delivery locations: Glenside Campus

Field: Allied Health Professions

Module type: Standard

Pre-requisites: None

Excluded combinations: None

Co-requisites: None

Continuing professional development: No

Professional, statutory or regulatory body requirements: None

Part 2: Description

Overview: Not applicable

Features: Not applicable

Educational aims: This module will provide you with an overview of the main working areas of a diagnostic radiography department including general radiographic techniques and imaging equipment.

Outline syllabus: Professional Skills

Theoretical principles of radiographic techniques and protocols including the qualitative assessment of the resultant images for the:-

Axial and appendicular skeleton,

Thoracic and abdominal cavities,

Respiratory and cardiovascular systems.

Patient preparation and care.

Basic image interpretation.

Radiation Protection

Practical methods of dose measurements

Dose reduction and applied radiation protection

Pregnancy checks

Radiographic Imaging

Theoretical principles of the imaging process and methods of image production.

Image manipulation, viewing, storage and transfer.

Departmental Routine

Radiography department workflows and organisation.

Part 3: Teaching and learning methods

Teaching and learning methods: See Educational Aims

Module Learning outcomes:

MO1 Describe and assess the principle anatomical features on skeletal (appendicular and axial), chest and abdominal images including pathology and normal variants.

MO2 Demonstrate an understanding of the concepts of image quality and their relationship with exposure selection, image manipulation, viewing, processing and storage.

MO3 Demonstrate an awareness of personal responsibility in achieving the standards of professional behaviour as expressed in current standards and codes of conduct.

MO4 Demonstrate knowledge of the radiographic imaging procedures, equipment and image processing for the skeleton, chest and abdomen including adaptive techniques where necessary.

Hours to be allocated: 300

Contact hours:

Independent study/self-guided study = 228 hours

Face-to-face learning = 72 hours

Total = 300

Reading list: The reading list for this module can be accessed at [readinglists.uwe.ac.uk](https://rl.talis.com/3/uwe/lists/D088F3CB-F314-2C01-0A62-56E76095AA35.html) via the following link <https://rl.talis.com/3/uwe/lists/D088F3CB-F314-2C01-0A62-56E76095AA35.html>

Part 4: Assessment

Assessment strategy: Components A and B are each 1.5 hr examinations.

Rationale: A timed examination is deemed an appropriate assessment method for the purpose of assessing the depth and breadth of student knowledge relating to radiographic technique, imaging equipment and radiographic anatomy. The exams will draw on a range of question styles including short answer and problem solving questions.

Formative Assessment

Formative assessment will include a variety of tasks designed to encompass all learning styles, such as quizzes, identification of anatomical models, diagram drawing and labelling and completion of mock exam questions.

Assessment components:

Examination - Component A (First Sit)

Description: 1.5 hr exam

Weighting: 50 %

Final assessment: No

Group work: No

Learning outcomes tested: MO1, MO2, MO4

Examination - Component B (First Sit)

Description: 1.5 hr exam

Weighting: 50 %

Final assessment: Yes

Group work: No

Learning outcomes tested: MO3, MO4

Examination - Component A (Resit)

Description: 1.5 hr exam

Weighting: 50 %

Final assessment: No

Group work: No

Learning outcomes tested: MO1, MO2, MO4

Examination - Component B (Resit)

Description: 1.5 hr exam

Weighting: 50 %

Final assessment: Yes

Group work: No

Learning outcomes tested: MO3, MO4

Part 5: Contributes towards

This module contributes towards the following programmes of study:

Diagnostic Radiography [Sep] [FT] [Glenside] [3yrs] BSc (Hons) 2021-22