



Module Specification

Radiotherapy Imaging in Practice

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Part 1: Information

Module title: Radiotherapy Imaging in Practice

Module code: UZYSYM-15-3

Level: Level 6

For implementation from: 2023-24

UWE credit rating: 15

ECTS credit rating: 7.5

Faculty: Faculty of Health & Applied Sciences

Department: HAS School of Health and Social Wellbeing

Partner institutions: None

Field: Allied Health Professions

Module type: Module

Pre-requisites: Intermediate Radiotherapy and Oncology Studies 2023-24

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: See Learning Outcomes.

Outline syllabus: Principles of radiotherapy imaging to include: verification methods and, computer systems (hard and software), Image preparation and matching, correction strategies.

Nature of the imaging inter-professional team working to include the roles of the: Oncologist, Physicist, Radiographer, manufacturers and Radiation Protection Supervisor. Configuration and commissioning of imaging systems.

Technological developments to include: the role of research and audit.

Cross sectional imaging and anatomy.

Part 3: Teaching and learning methods

Teaching and learning methods: Scheduled learning includes lectures, seminars, tutorials, demonstrations, practical classes and workshops using VERT.

Independent learning, includes hours engaged with pre-reading, poster preparation and completion, preparation for discussion groups. Students will be expected to engage via Blackboard and undertake formative assessments prior to and during the module delivery to assess their learning and feedback progress.

36 hours to include lectures, small seminar discussion groups, VERT practical sessions, online tutorial support and online discussion groups.

Module Learning outcomes: On successful completion of this module students will achieve the following learning outcomes.

MO1 Evaluate the rationale for imaging used in radiotherapy practice

MO2 Compare and contrast the different technologies used in imaging in radiotherapy

MO3 Critique clinical reasoning skills needed to assess images acquired during radiotherapy

MO4 Critically evaluate the future role of imaging in radiotherapy

MO5 Identify relevant anatomy and pathological changes seen in imaging

Hours to be allocated: 150

Contact hours:

Independent study/self-guided study = 114 hours

Face-to-face learning = 36 hours

Total = 150

Reading list: The reading list for this module can be accessed at [readinglists.uwe.ac.uk](https://uwe.rl.talis.com/modules/uzysym-15-3.html) via the following link <https://uwe.rl.talis.com/modules/uzysym-15-3.html>

Part 4: Assessment

Assessment strategy: This module has two assessment tasks; a poster and a supporting paper.

Poster. Rationale: To allow students to critically explore a topic area of their choice in relation to the learning outcomes. A poster will demonstrate the student's ability to analyse and evaluate information to then select the most relevant work, to adhere to the concise writing style of a poster. At level 6, the aim would be for students to produce a poster of a standard to present at conference; to demonstrate their findings.

Supporting paper - 1500 words. Rationale: To allow students to critically explore a specific part of the poster in further depth which will enable them to undertake synthesis and analysis of the topic area.

Assessment tasks:

Poster (First Sit)

Description: Poster

Weighting: 40 %

Final assessment: No

Group work: No

Learning outcomes tested: MO1, MO2, MO3, MO4, MO5

Written Assignment (First Sit)

Description: 1500 word supporting paper

Weighting: 60 %

Final assessment: Yes

Group work: No

Learning outcomes tested: MO1, MO2, MO3, MO4, MO5

Poster (Resit)

Description: Poster

Weighting: 40 %

Final assessment: No

Group work: No

Learning outcomes tested: MO1, MO2, MO3, MO4, MO5

Written Assignment (Resit)

Description: 1500 word supporting paper

Weighting: 60 %

Final assessment: Yes

Group work: No

Learning outcomes tested: MO1, MO2, MO3, MO4, MO5

Part 5: Contributes towards

This module contributes towards the following programmes of study:

Radiotherapy and Oncology [Sep][FT][Glenside][3yrs] - Withdrawn BSc (Hons) 2021-22