



## **Module Specification**

### **Foundation of Clinical Applications for Radiotherapy**

Version: 2023-24, v2.0, 11 Jul 2023

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## Part 1: Information

**Module title:** Foundation of Clinical Applications for Radiotherapy

**Module code:** UZYYE7-30-1

**Level:** Level 4

**For implementation from:** 2023-24

**UWE credit rating:** 30

**ECTS credit rating:** 15

**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:** None

**Excluded combinations:** None

**Co-requisites:** None

**Continuing professional development:** No

**Professional, statutory or regulatory body requirements:** None

## Part 2: Description

**Overview:** This module will introduce you to the evidence based principles of oncology and radiotherapy practice.

**Features:** Not applicable

**Educational aims:** In this module you will explore the path of the oncology patient by examining the role of imaging principles and practices of radiotherapy treatment

and the role of the radiographer in the management pathway. Current practice will be explored to prepare you for your role in a dynamic oncology environment.

**Outline syllabus:** This module will typically include:

The management pathways of the following anatomical sites:

breast, pelvis, bone, brain (palliative only) thorax and skin (including benign conditions).

Treatment modalities overview.

Introduction to commonly experienced side effects and management.

Introduction to radiotherapy planning and dosimetry principles.

### **Part 3: Teaching and learning methods**

**Teaching and learning methods:** Teaching will be supported and guided by independent study in the form of pre- lecture preparation tasks and post lecture learning tasks to consolidate knowledge. These may include, but are not limited to quizzes, work books, interactive TEL (technology enhanced learning) based activities, self-directed investigation of topics and other bespoke activities. Guided independent study will support the module, but typically the equivalent of 4 hours of lectures per week including VERT and planning practical's.

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

**MO1** Describe the principles and application of current imaging modalities utilised in radiotherapy treatment

**MO2** Explain the main treatment modalities used to treat cancer

**MO3** Describe the fundamental principles of external beam radiotherapy

**MO4** Describe the principles of evidence based oncology and cancer management practice, for a range of common anatomical sites

**MO5** Describe an evidence based approach to the management of common radiotherapy side effects

**MO6** Describe the role of the radiographer in the cancer pathway including, pre-treatment, planning, delivery and care of the radiotherapy patient

**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://uwe.rl.talis.com/search.html?q=UZYKGB-30-1) via the following link

<https://uwe.rl.talis.com/search.html?q=UZYKGB-30-1>

## **Part 4: Assessment**

**Assessment strategy:** This module is assessed by an objective structured practical examination (OSPE) - maximum one hour.

Rationale:

The assessment is designed to be meaningful, constructively align with the Learning Outcomes of module and ultimately the programme. It gives an opportunity to demonstrate practical and technical skills using simulated scenarios and demonstrate subject knowledge through this and relevant questioning. Students will be able to evidence their learning in the written assignment through its relevance and applicability to the real world.

Formative Assessment

Formative practice at OSPE stations will enable students to gain an understanding of the assessment strategies employed.

**Assessment tasks:**

**Practical Skills Assessment (First Sit)**

Description: OSPE (maximum one hour)

Weighting: 100 %

Final assessment: Yes

Group work: No

Learning outcomes tested: MO1, MO2, MO3, MO4, MO5, MO6

**Practical Skills Assessment (Resit)**

Description: OSPE (maximum one hour)

Weighting: 100 %

Final assessment: Yes

Group work: No

Learning outcomes tested: MO1, MO2, MO3, MO4, MO5, MO6

**Part 5: Contributes towards**

This module contributes towards the following programmes of study:

Therapeutic Radiography {Apprenticeship-UWE} [Glenside] BSc (Hons) 2023-24