Module Specification

Principles of Oncology and Radiotherapy

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

Contents

Part 1: Information

Module title: Principles of Oncology and Radiotherapy

Module code: UZYYE9-15-1

Level: Level 4

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: 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 principles of oncogenesis and the radiobiological principles that inform radiotherapy practice.

Features: Not applicable

Educational aims: In this module you will examine how normal cells become malignant, how cancer spreads and the incidence of cancers in the UK and internationally. The module will describe how pathways of care and treatment are

determined for common cancer types. Included will be epidemiology, aetiology, risk factors and mechanisms of spread of cancer, and the signs, symptoms and investigations that instigate a referral to a cancer specialist.

Outline syllabus: This module will typically include:

The structure and function of the human body in health and disease including, cancer pathologies and mechanism of disease

Methods of spread and significance of treatment choice

Common types of cancer, histology, staging and grading

Aetiology and epidemiology, introduction to screening and public health, prevention

Imaging modalities used in diagnosis and staging

Introduction to radiobiology concepts

Part 3: Teaching and learning methods

Teaching and learning methods: This module will use a blended learning approach including: demonstrations, interactive online learning and independent study.

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

MO1 Explain the molecular basis of cancer development and progression

MO2 Compare the epidemiology and aetiology of cancer in the UK and globally and discuss the role of public health initiatives in cancer prevention

MO3 Describe the characteristics of tumours, and the significance of this on treatment choice

MO4 Discuss the basic principles of radiobiology that guides oncology practice

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 via the following link
https://uwe.rl.talis.com/search.html?q=UZYKGC-15-1

Part 4: Assessment

Assessment strategy: Summative Assessment: Examination - equivalent to 2 hours

An examination (equivalent to 2 hours) will be utilised as the assessment method for this module in order for students to demonstrate the foundational knowledge that underpins radiotherapy and oncology practice. Typically this will include a combination of short and long answer questions.

Formative Assessment

Students will be offered formative practice exam questions in a mock examination within a teaching session.

Assessment tasks:

Examination (First Sit)
Description: Examination - equivalent to 2 hours
Weighting: 100 %
Final assessment: Yes
Group work: No
Learning outcomes tested: MO1, MO2, MO3, MO4

Examination (Resit)

Description: Examination - equivalent to 2 hours

Weighting: 100 %

Final assessment: Yes

Group work: No

Learning outcomes tested: MO1, MO2, MO3, MO4

Part 5: Contributes towards

This module contributes towards the following programmes of study:

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