



ACADEMIC SERVICES

MODULE SPECIFICATION

Part 1: Basic Data					
Module Title	Intermediate Radiotherapy and Oncology Studies				
Module Code	UZYSYL-30-2	Level	2	Version	1
Owning Faculty	Faculty of Health and Applied Sciences	Field	Allied Health Professions		
Contributes towards	BSc (Hons) Radiotherapy and Oncology				
UWE Credit Rating	30	ECTS Credit Rating	15	Module Type	Standard
Pre-requisites	UZYS1V-30-1 Introduction to Radiotherapy and Oncology	Co-requisites	UZYSYK-30-2 Radiotherapy Professional Practice 2 UZYS1X-15-2 Radiotherapy Planning and Dosimetry.		
Excluded Combinations	UZYSEG-40-2 Clinical Oncology and radiotherapy Technology	Module Entry requirements	N/A		
Valid From	September 2015	Valid to	September 2021		

CAP Approval Date	30 April 2015
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Part 2: Learning and Teaching	
Learning Outcomes	<ul style="list-style-type: none"> • Discuss the principles and applications of multi modal treatment strategies in the management of the patient with cancer (Components A and B) • Discuss radiographic imaging principles and evaluate imaging techniques and procedures performed in radiotherapy for localisation and verification throughout the pre- treatment and treatment process. (Components A and B) • Evaluate the assessment protocols and communication strategies that radiographers and other health care professionals utilise in the management of patients and their treatment side effects (Components A and B) • Evaluate quality control principles within radiotherapy practice (Component A) • Explain factors to be taken into account in the installation of new radiotherapy service initiatives (Component A).
Syllabus Outline	<p><u>Treatment Management and patient care</u></p> <p>Oncological management of cancers that may require complex treatment strategies Pharmacology, cytotoxic chemotherapy and hormone therapy, applications in practice and current regimes. Combination treatment rationales and schedules.</p> <p>Potential side effects of treatment and strategies for patient care, including assessment protocols, the role of specialist cancer services. The role of the radiographer within the healthcare team. Interprofessional relationships, communication and team working, extended roles.</p> <p>Professional boundaries and accountability, patient perspectives.</p>

	<p>Communication strategies and their application to practice including, recognising the vulnerable patient, utilisation of verbal and non-verbal communication skills, information giving and receiving. Exploration of appropriate settings to undertake communication activities.</p> <p><u>Radiotherapy Technique</u></p> <p>Equipment design, function and role in localisation and verification techniques.</p> <p>Design features of new equipment and technologies.</p> <p>Role of imaging modalities and imaging protocols throughout pre-treatment and treatment process.</p> <p>Multifield isocentric techniques</p> <p>Principles, techniques, clinical applications and dosimetry of brachytherapy</p> <p>Electron and superficial treatment strategies.</p> <p>IMRT and IGRT</p> <p><u>Quality control principles</u></p> <p>Treatment room design and radiation protection to include radiographer responsibility (IR(ME)R)</p> <p>Patient immobilisation and consideration of tumour mobility to include patient preparation strategies and protocols.</p> <p>Error management and quality assurance systems in radiotherapy.</p> <p><u>Service improvement and implementation of new treatment techniques</u></p> <p>Proton therapy</p> <p>Implementation of new treatment techniques and protocols.</p>
Contact Hours	<p>Students will engage in approximately 100 hours of contact time including key note lectures and practical sessions in small groups on the VERT system and journal club preparation throughout the module, but are expected to do additional self study within their own time. In addition, email contact with staff is available throughout the module and during scheduled tutorial time.</p>
Teaching and Learning Methods	<p>Scheduled learning includes lectures and seminars, practical sessions on the VERT system student led presentations (journal club). Formative assessment and feedback related to the assessment component will consist of group based discussions on the seen questions (assessment Component A).</p> <p>Independent learning includes hours engaged with essential reading, interactive online learning materials, assessment preparation and revision. Students will have opportunity to gather evidence whilst on clinical practice to help support their learning for the summative assessment.</p>
Key Information Sets Information	<p>Key Information Sets (KIS) are produced at programme level for all programmes that this module contributes to, which a requirement is set by HESA/HEFCE. KIS are comparable sets of standardised information about undergraduate courses allowing prospective students to compare and contrast between programmes they are interested in applying for.</p>

Key Information Set - Module data				
Number of credits for this module				30
Hours to be allocated	Scheduled learning and teaching study hours	Independent study hours	Placement study hours	Allocated Hours
300	100	200	0	300

The table below indicates as a percentage the total assessment of the module which constitutes a -

Written Exam: Unseen written exam, open book written exam, In-class test

Coursework: Written assignment or essay, report, dissertation, portfolio, project

Practical Exam: Oral Assessment and/or presentation, practical skills assessment, practical exam

Please note that this is the total of various types of assessment and will not necessarily reflect the component and module weightings in the Assessment section of this module description:

Total assessment of the module:	
Written exam assessment percentage	100%
Coursework assessment percentage	0%
Practical exam assessment percentage	0%
	100%

Reading Strategy

Core reading

Any core reading will be indicated clearly, along with the method for accessing it, eg students may be expected to purchase a set text, be given a study pack or be referred to texts that are available electronically, or in the Library. Module guides will also reflect the range of reading to be carried out.

Further reading

All students are encouraged to read widely using the library search, a variety of bibliographic and full text databases and Internet resources. Many resources can be accessed remotely. Guidance to some key authors and journal titles available through the Library will be given in the module handbook and updated annually. Assignment reference lists are expected to reflect the range of reading carried out.

Access and skills

Students are expected to be able to identify and retrieve appropriate reading. This module offers an opportunity to further develop information skills introduced at Level 1. Students will be given the opportunity to attend sessions on selection of appropriate databases and search skills. Additional support is available through the library web pages, including interactive tutorials on finding books and journals, evaluating information and referencing. Sign-up workshops are also offered by the Library.

Indicative

The following list is offered to provide validation panels/accrediting bodies with an

Reading List	<p>indication of the type and level of information students may be expected to consult. As such, its currency may wane during the life span of the module specification. <i>Current</i> advice on additional reading will be available via the module handbook or Blackboard pages.</p> <p>Cancer Research UK (2014) <i>CancerStats: Cancer statistics for the UK</i>. Available from: http://www.cancerresearchuk.org/cancer-info/cancerstats/. [Accessed 15 September 2014]</p> <p>College of Radiographers (2013) <i>Code of Professional Conduct</i>. Available from: http://www.sor.org/learning/document-library/code-professional-conduct [Accessed 15 September 2014]</p> <p>Department Of Health (2012) <i>Radiotherapy Services in England</i>. Available from: https://www.gov.uk/government/publications/radiotherapy-services-in-england-2012. [Accessed 15 September 2014]</p> <p>Department Of Health (2012) <i>Improving Outcomes: A strategy for cancer</i>. Available from: https://www.gov.uk/government/publications/improving-outcomes-a-strategy-for-cancer. [Accessed 15 September 2014]</p> <p>Health and Care Professions Council (2012) <i>Standards of Conduct, Performance and Ethics</i>. Available from: http://www.hcpc-uk.org.uk/aboutregistration/standards/standardsofconductperformanceandethics/index.asp. [Accessed 15 September 2014]</p> <p>Hoskins, P. (2012) <i>Radiotherapy in Practice: External Beam Therapy</i> [online] 2nd ed. Oxford: Oxford University Press. [Accessed 15 September 2014]</p> <p>O'Toole, G. (2012) <i>Communication: core interpersonal skills for health professionals</i>, Elsevier, London.</p> <p>Symonds, P., Deehan, C., Meredith, M., and Mills, J. (2012) <i>Walter and Miller's Textbook of Radiotherapy</i> [online] London: Churchill Livingstone. [Accessed 15 September 2014]</p>
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Part 3: Assessment

Assessment Strategy	<p>Component A: 2 hr Seen exam. Rationale. To enable students to explore a number of topic areas given in advance in relation to the specified learning outcomes and to gather relevant sources of evidence to present within an exam setting to demonstrate their learning. The rationale for a seen exam is to ensure students are able to summarise and critique information succinctly within a set time frame. This skill will be useful for undertaking research critique for the dissertation and also for developing time management skills.</p> <p>Formative assessment opportunities to discuss the evidence found will be undertaken in a series of journal clubs and/or tutorials as well as opportunity to bring materials to key note sessions.</p> <p>Students will have opportunity to gather evidence whilst on clinical practice to help support their learning for the summative assessment.</p>
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Identify final assessment component and element	Component A	
% weighting between components A and B (Standard modules only)	A: 75%	B: 25%

First Sit	
Component A (controlled conditions) Description of each element	Element weighting (as % of component)
1. Written seen exam 2 hours	100%
Component B Description of each element	Element weighting (as % of component)
1. OSCE 1 hour	100%

Resit (further attendance at taught classes is not required)	
Component A (controlled conditions) Description of each element	Element weighting (as % of component)
1. Written seen exam 2 hrs	100%
Component B Description of each element	Element weighting (as % of component)
1. OSCE 1 hour	100%
<p>If a student is permitted an EXCEPTIONAL RETAKE of the module the assessment will be that indicated by the Module Description at the time that retake commences.</p>	