

University of the West of England

Module Specification

Title	Brachytherapy Principles and Clinical Applications
New Code	UZYSU4-15-M
Version	1
Versions	
Last Updated	
Level	M
UWE Credit Rating	15
ECTS Credit Rating	7.5
Module Type	Project
Module Leader	GOODMAN, S
Module Leaders - Additional	There are no additional module leaders
Owning Faculty	Faculty of Health and Applied Sciences
Faculty Committee approval	HAS CAP
Faculty Committee approval Date	16/01/2014
Approved for Delivery by	
Field	Allied Health Professions
Field Leader	Libby Thompson
Valid From	01/09/2013
Discontinued From	
Pre-requisites	None
Co-requisites	None
Entry requirements:	Relevant experience within the Oncology field
Excluded combinations	None
Module Handbooks	
Learning Outcomes	

Knowledge and understanding

- Demonstrate critical knowledge and understanding of brachytherapy principles (Component A)
- Demonstrate a comprehensive understanding of brachytherapy applications in modern radiotherapy clinical practice (Component A)

Intellectual skills

- Critically appraise existing knowledge and available literature on brachytherapy delivery (Component A)
- Independently evaluate current working practices and areas for potential service development (Component A)
- Critically analyse complex situations and formulate ethical solutions, arguments and strategies for change in the workplace (Component A)

Subject, Professional and Practice skills

- Critically evaluate the role of brachytherapy within the therapeutic radiographers professional development
- Discuss the potential medico-legal and ethical implications for clinical brachytherapy practice

Transferable skills

- Critically evaluate the implementation and provision of a brachytherapy service within clinical practice
- Critically evaluate the various aspects of service re-design / enhancement, whilst demonstrating an awareness of clinical legislation / governance (Component A)

Syllabus Outline

- General principles of brachytherapy
- History of brachytherapy and sources and afterloaders
- Radiobiology in brachytherapy
- Radiation protection issues in brachytherapy
- Physics planning, optimisation and use of Dose Volume Histograms (DVHs)
- Clinical applications of brachytherapy, site specific, including gynae, prostate, endoluminal, miscellaneous
- Psychological issues in brachytherapy
- National guidelines and standards for brachytherapy in UK
- Service management and development in brachytherapy

Teaching and Learning Methods

A variety of approaches will be used which may include lectures, discussions, seminars and presentations. Student centred learning is guided by work based learning and on-line discussions.

Reading Strategy

Access and Skills

All students will be encouraged to make full use of the print and electronic resources available to them through membership of the University. These include a range of electronic journals and a wide variety of resources available through web sites and information

gateways. The University Library's web pages provide access to subject relevant resources and services, and to the library catalogue. Many resources can be accessed remotely. Students will be presented with opportunities within the curriculum to develop their information retrieval and evaluation skills in order to identify such resources effectively. Additional support is available through the iSkillZone available via the Library web pages. This includes interactive tutorials on search skills and on the use of specific electronic library resources. Sign up workshops are also offered by the Library.

Essential Reading

Any essential reading will be indicated clearly, along with the method for accessing it, e.g. students may be expected to purchase a set text, be given a print study pack or be referred to texts that are available electronically.

Further Reading

Further reading will be required to supplement the set textbook and other printed readings. The purpose of this further reading is to ensure students are familiar with current research, classic works and material specific to their interests from the academic literature.

Blackboard

This module is supported by Blackboard where students will be able to find all necessary module information. Direct links to information sources will also be provided from within Blackboard

Assessment

Where necessary, and appropriate, an alternative medium of assessment may be negotiated.

Weighting between components A and B (standard modules only) A: % B:%

Final Assessment: Component A Element 1 Component A Element 1

Attempt 1

First Assessment Opportunity (Sit)

Component A

Element	Description	Element Weighting
1	2500 word reflective assignment	100%

Second Assessment Opportunity (ReSit)

Attendance is not required

Component A

Element	Description	Element Weighting
1	2500 word reflective assignment	100%

Exceptional Second Attempt (Retake)

Attendance is not required