MODULE SPECIFICATION

Part 1: Information			
Module Title	Intermediate Diagnostic Imaging Theory		
Module Code	UZYS1P-30-2	Level	Level 5
For implementation from	2020-21		
UWE Credit Rating	30	ECTS Credit Rating	15
Faculty	Faculty of Health & Applied Sciences	Field	Allied Health Professions
Department	HAS Dept of Allied Health Professions		
Module type:	Standard		
Pre-requisites	None		
Excluded Combinations	Intermediate Diagnostic Imaging Studies 2020-21		
Co- requisites	None		
Module Entry requirements	None		

Part 2: Description

Educational Aims: See learning outcomes.

Outline Syllabus: Anatomy, disease and clinical applications

Imaging modalities and equipment used in the demonstration of anatomy, Physiology and common pathologies within the context of patient care pathways.

Specialist Imaging areas

Emergency department
Mammography
Interventional procedures
Operating theatre and mobile radiography

Patient types

Multicultural and diversity management of people attending diagnostic imaging.

Pharmacology

Contrast media and drug reactions Pharmaco-dynamics and Pharmaco-kinetics

Radiobiology

Effects of radiation on cells
Risk versus benefit of imaging modalities

Health and safety issues

Radiation protection
Legal and ethical frameworks

Teaching and Learning Methods: Scheduled learning lectures, seminars, tutorials, practical classes.

Independent learning includes hours engaged with essential reading, case study preparation, assignment preparation and completion etc. These sessions constitute an average time per level as indicated in the table below. Scheduled sessions may vary slightly depending on the module choices you make.

There will be 72 contact hours of scheduled learning to include lectures, seminars and practical sessions

Students will also be expected to engage with independent learning, including subject specific vodcasts with associated self-directed leaning tasks, directed reading, reflective writing and engagement with online activities.

Part 3: Assessment

The online exam (24 hour access window with suggested completion time) will allow the student to be assessed on and demonstrate a depth and breadth of knowledge and understanding of pharmacology, radiobiology and health and safety procedures associated with diagnostic imaging.

A written case study will enable the demonstration of an awareness of the role of diagnostic Imaging in the management and delivery of patient care together with a critical comparison of the utilisation of different radiographic techniques.

First Sit Components	**Final Assessment**	**Element weighting**	**Description**
Written Assignment - Component B		60 %	Written assignment (2500 words)
Examination (Online) - Component A	✓	40 %	Online Examination (24 hours)
Resit Components	**Final Assessment**	**Element weighting**	**Description**
Written Assignment - Component B		60 %	Written assignment (2500 words)
Examination (Online) - Component A	✓	40 %	Online Examination (24 hours)

Part 4: Teaching and Learning Methods

Learning Outcomes

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

Module Learning Outcomes	Reference
Demonstrate an analytical understanding and application of the theoretical principles underpinning diagnostic imaging of the human body systems	MO1
Critically evaluate and compare the utilisation of different radiographic techniques	MO2
Critically appraise the relevant pharmacology of contrast agents and drugs commonly used in diagnostic Imaging	MO3
Demonstrate understanding of the health & safety requirements for diagnostic imaging practice	MO4
Discuss the role of Diagnostic Imaging in the management and delivery of patient care	MO5

Contact Hours

Independent Study Hours:	
Independent study/self-guided study	228
Total Independent Study Hours:	228
Scheduled Learning and Teaching Hours:	
Face-to-face learning	72
Total Scheduled Learning and Teaching Hours:	72
Hours to be allocated	300
Allocated Hours	300

Reading List

The reading list for this module can be accessed via the following link:

https://uwe.rl.talis.com/modules/uzys1p-30-2.html

Part 5: Contributes Towards

This module contributes towards the following programmes of study: