STUDENT AND ACADEMIC SERVICES

MODULE SPECIFICATION

Part 1: Basic Data						
Module Title	Foundations of radiographic imaging					
Module Code	UZYS1M-30-1		**Level**	level 1	Version	2
Owning Faculty	Health and Applied Sciences		**Field**	Allied Health Professions		
Contributes towards	BSc (Hons) Diagnostic Radiography					
UWE Credit Rating	30 credits	**ECTS Credit Rating**	15	**Module Type**	Standard	
Pre-requisites	None		**Co- requisites**	None		
Excluded Combinations	UZYS6K-20-1 UZYSFC-20-1		**Module Entry requirements**	N/A		
Valid From	September 2015		**Valid to**	September 2021		

CAP Approval Date	30 April 2015

Part 2: Learning and Teaching	
Learning Outcomes	On successful completion of this module students will be able to: • Describe and assess the principle anatomical features on skeletal (appendicular and axial), chest and abdominal images including pathology and normal variants (Component A) • Demonstrate an understanding of the concepts of image quality and their relationship with exposure selection, image manipulation, viewing, processing and storage.(Component A) • Demonstrate an awareness of personal responsibility in achieving the standards of professional behaviour as expressed in current standards and codes of conduct (Component A) • Demonstrate knowledge of the radiographic imaging procedures, equipment and image processing for the skeleton, chest and abdomen including adaptive techniques where necessary (Components A)
Syllabus Outline	<u>Professional Skills</u> Theoretical principles of radiographic techniques and protocols including the qualitative assessment of the resultant images for the:- • Axial and appendicular skeleton,

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Thoracic and abdominal cavities,
Respiratory and cardiovascular systems.

Patient preparation and care.
Basic image interpretation

<u>Radiation Protection</u>
Practical methods of dose measurements
Dose reduction and applied radiation protection
Pregnancy checks
<u>Radiographic Imaging</u>
Theoretical principles of the imaging process and methods of production
Image manipulation, viewing, storage and transfer.
<u>Departmental Routine</u>
Overview of the main working areas of a diagnostic imaging department including general radiographic imaging equipment
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<tr><td>Contact Hours</td><td>
72 contact hours to include the following:

Students will engage in a series of lectures and seminars.
Teaching will be supported by guided independent study in the form of pre-lecture preparation tasks and post lecture learning tasks to consolidate knowledge. These can include quizzes, work books, interactive TEL based activities, self-directed investigation of topics and other bespoke activities. Guided independent study will support the module.

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<tr><td>Teaching and Learning Methods</td><td>

Scheduled learning includes lectures, seminars, tutorials and small group practical sessions
Independent learning includes hours engaged with essential reading, work book completion and engagement with ‘Shaderware’ resources (Technology Enhanced Learning).

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<tr><td>Key Information Sets Information</td><td>
Key Information Sets (KIS) are produced at programme level for all programmes that this module contributes to, which is a requirement 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.

<u>Key Information Set - Module data</u>

Number of credits for this module 30

<table>
<tr><th>Hours to be allocated</th><th>Scheduled learning and teaching study hours</th><th>Independent study hours</th><th>Placement study hours</th><th>Allocated Hours</th></tr>
<tr><td>300</td><td>72</td><td>228</td><td>0</td><td>300</td></tr>
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The table below indicates as a percentage the total assessment of the module which constitutes a -

Written Exam: Unseen written exam,
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	Coursework: Written essay, 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: 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 Further reading is advisable for this module, and students will be encouraged to explore at least one of the titles held in the library on this topic. A current list of such titles will be given in the module guide and revised annually. Access and skills Formal opportunities for students to develop their library and information skills are provided within the induction period. Additional support is available through the Library Services web pages, including interactive tutorials on finding books and journals, evaluating information and referencing. Sign-up workshops are also offered by the Library.
Indicative Reading List	The following list is offered to provide validation panels/accrediting bodies with an 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. *Current* advice on additional reading will be available via the module guide or Blackboard pages. Carver, B. (2012) *Medical Imaging: Techniques, Reflection and Evaluation.* 2nd ed. London: Churchill Livingstone Easton, S. (2008) *An Introduction to Radiography. London:* Churchill Livingstone. Ellis, H., Logan, B. and Dixon, A. (2009) *Human Sectional Anatomy: Pocket Atlas of Body Sections, CT and MRI Images*. 3rd edition. Florida: CRC Press

	Gunn, C. (2012) *Bones and Joints – A guide for students.* 6th ed. London: Churchill Livingstone. Sloane, C. and Stewart Whitley. A., Anderson, C., and Holmes, K. (2010) *Clark's Pocket Handbook for Radiographers*. Florida: CRC Press Stewart Whitley A (2005) *Clark's Positioning Radiography* 12th ed. Florida: CRC Press Sutherland, R. (2007) *Pocketbook of Radiographic Positioning* 3rd ed. London: Churchill Livingstone

Part 3: Assessment	
Assessment Strategy	The assessment comprises of:- 2x1.5 hr exams for the purpose of assessing the depth and breadth of knowledge relating to radiographic technique, imaging equipment and radiographic anatomy.

Identify final assessment component and element	**Component B**	
% weighting between components A and B (Standard modules only)	**A:** **50%**	**B**: **50%**
First Sit		
Component A (controlled conditions) **Description of each element**	**Element weighting**	
Exam 1.5hrs	50%	
Component B **Description of each element**	**Element weighting**	
Exam 1.5hrs	50%	

Resit (further attendance at taught classes is not required)	
Component A (controlled conditions) **Description of each element**	**Element weighting**
Exam 1.5hrs	50%
Component B **Description of each element**	**Element weighting**
Exam 1.5hrs	50%
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.	