Module Specification

Module Summary Information

1	**Module Title**	Diagnostic Imaging Practice 1
2	**Module Credits**	20
3	**Module Level**	5
4	**Module Code**	RAD5051

5	**Module Overview**

Rationale

Combined with Diagnostic Imaging 2, this module will support you in achieving the commensurate skills and knowledge necessary to competently complete a radiographic examination to the ability expected of a level 5 student. The module has clinical and academic components, and also makes use of the clinical facilities available within the faculty. It aims to provide grounding in diagnostic imaging whilst developing a holistic approach to the service user. The syllabus includes service user care and communication; and radiographic examination procedures; to include the Head, Chest, Abdomen and Pelvis along with radiographic technology across a range of modalities.

This Module will provide you with the opportunity to build on the knowledge gained at level 4 to:

- Develop an understanding of applied anatomy, physiology and pathology of the Head, Chest, Abdomen and Pelvis which can be applied in the clinical setting.
- Develop an awareness of the relative uses and limitations of radiographic systems and other modalities.
- Consolidate the communication skills required to obtain informed consent from the service user and construct appropriate justification depending on imaging modality.
- Develop an understanding of applied imaging technology in relation to the effects imaging has on the human body in relation to pathology (to include service user journeys) and to ensure high quality and safe use of diagnostic imaging equipment.
- Develop an understanding of digital acquisition and data manipulation.
- Continue to gain competence and confidence within your developing role as a student radiographer.

Alignment with Programme Philosophy and Aims

The programme aims to develop your collaborative skills therefore, whilst studying this module, you can expect to work with and learn from students from other healthcare disciplines.
An important aspect of the BSc (Hons) Diagnostic Radiography programme philosophy is to enable you to become a self-directed learner who is capable of competent and autonomous practice. The Diagnostic Imaging Practice module will provide you with some of the skills necessary to achieve this by requiring you to manage your own online learning tasks and apply what you learn to your own professional development.
Skills acquired while studying this module can be applied to other areas of the programme and they will be particularly useful in your progress to level 6, especially relating to advancing imaging practice.

Learning and Teaching Strategy

To support you through this module, we will use a mix of:

- Face-to-face and online keynote lectures
- Seminars
- Workshops
- Break-away groups
- Online support/discussion
- Simulation
- Module team tutorials

6	Indicative Content

Diagnostic Imaging Practice 1 will encompass a broad yet focussed curriculum, paying close attention to adaptive technique and radiographic technology across a range of modalities, including Plain Imaging, Computed Tomography, Magnetic Resonance Imaging, Ultrasound, Radionuclide Imaging and PET. Normal and abnormal anatomy will be reviewed on a variety of images, alongside an overview of patient risk factors, signs, symptoms and contraindications. Patient presentation and appearance of musculoskeletal, soft tissue, and systemic pathologies will be explored whilst considering the benefits and limitations of the various modalities when imaging these pathologies specifically. Mobile, theatre, dental and forensic imaging will also be included.

7	Module Learning Outcomes On successful completion of the module, students will be able to:	
	1	Recognise and describe the appearances of a range of pathologies as demonstrated on radiological images including the head.
	2	Propose modifications to standard and non-standard radiographic techniques in response to equipment benefits and limitations in relation to imaging of pathologies.
	3	Relate physiological and service user referral information to enable safe and effective delivery of clinical care adaptive to service user presentation.
	4	Evaluate radiographic and physiological findings from a range of imaging modalities to initiate amendments to the service user imaging pathway.

8	Module Assessment		
Learning Outcome			
	Coursework	**Exam**	**In-Person**
1			**X**
2 – 4	**X**		

9	Breakdown Learning and Teaching Activities
Learning Activities	**Hours**
Scheduled Learning (SL) includes lectures, practical classes and workshops, peer group learning, Graduate+, as specified in timetable	54 Hours
Directed Learning (DL) includes placements, work-based learning, external visits, on-line activity, Graduate+, peer learning, as directed on VLE	36 Hours
Private Study (PS) includes preparation for exams	110 Hours
Total Study Hours:	200 Hours