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MODULE DESCRIPTOR

Module Title

Foundations of Radiographic Practice

Reference	HS1197	Version	3
Created	July 2017	SCQF Level	SCQF 7
Approved	November 2012	SCQF Points	30
Amended	August 2017	ECTS Points	15

Aims of Module

To enable the student to gain knowledge and understanding of the technological, radiographic, professional and care requirements for skeletal, chest and abdominal plain imaging.

Learning Outcomes for Module

On completion of this module, students are expected to be able to:

1	Describe the radiographic science and technology that underpins the production of plain radiographic images.
2	Explain the principles of radiation protection, radiation safety and health and safety in radiography, utilising library searching mechanisms to acquire relevant evidence.
3	Describe the care and communication needs of patients undergoing radiographic investigations.
4	Demonstrate plain radiographic imaging of the appendicular and axial skeleton, chest and abdomen.
5	Demonstrate the basic principles of radiographic image critique.

Indicative Module Content

Radiographic procedures to carry out plain film imaging of the skeleton, abdomen and thorax - patient positioning, imaging technique, use of equipment, referral and justification processes Systems and practices in radiography Image critique Patient care and communication Basic physics principles Radiological science - ionising radiations, x-ray production, image production and image quality, exposure factors, Radiological technologies - the x-ray tube, accessory equipment, CR, DR, PACs and RIS systems Radiation protection and radiation safety Radiation legislation Health and safety in radiography Utilisation of library searching mechanisms to acquire evidence relevant to practice

Module Delivery

Lectures, tutorials, practical workshops, online tutorials, discussion forums, independent practice.

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Indicative Student Workload	Full Time	Part Time
Contact Hours	70	N/A
Non-Contact Hours	230	N/A
Placement/Work-Based Learning Experience [Notional] Hours	N/A	N/A
TOTAL	300	N/A
Actual Placement hours for professional, statutory or regulatory body		

ASSESSMENT PLAN

If a major/minor model is used and box is ticked, % weightings below are indicative only.

Component 1

Type:	Practical Exam	Weighting:	70%	Outcomes Assessed:	1, 3, 4, 5
Description:	Multi-station objective structured practical examination (OSPE)				

Component 2

Type:	Coursework	Weighting:	30%	Outcomes Assessed:	2
Description:	Regulatory and safety based coursework				

MODULE PERFORMANCE DESCRIPTOR

Explanatory Text

Performance in both components assessed with grading proformas. Overall grade determined as follows:

Module Grade	Minimum Requirements to achieve Module Grade:
A	Grade configuration C1/C2 - AA , AB , BA and meets all attendance requirements of the module.
B	Grade configuration C1/C2 - AC, BB, BC, CA, AD and meets all attendance requirements of the module.
C	Grade configuration C1/C2 - BD, CB, CC, CD, DA, DB and meets all attendance requirements of the module.
D	Grade configuration C1/C2 - DC, DD and meets all attendance requirements of the module.
E	Grade configuration C1/ C2 - AE, BE, CE, DE, EE, FE, EA, EB, EC, ED, AF, BF, CF, DF, EF, FA, FB, FC and meets all attendance requirements of the module.
F	Grade configuration C1/ C2 - FD, FE, FF or fails to meet the attendance requirements of the module.
NS	Non-submission of work by published deadline or non-attendance for examination

Module Requirements

Prerequisites for Module	None, in addition to course entry requirements.
Corequisites for module	None.
Precluded Modules	None.

INDICATIVE BIBLIOGRAPHY

1. BALL, J.L., MOORE, A.D. & TURNER,S., 2008. *Ball and Moore's essential physics for radiographers.* 4th ed. Oxford: Wiley-Blackwell.
2. CARVER,E. & CARVER, B. 2021. *Medical imaging.* 3rd ed. London: Churchill Livingstone Elsevier.
3. EASTON, S. 2008. *An introduction to radiography.* London: Churchill Livingstone.
4. HOLMES, E.J. & MISRA, R.R., 2004. *A-Z of Emergency Radiology.* Cambridge: Cambridge University Press.
5. SHERER, M.A.S. et al., 2021. *Radiation protection in medical radiography.* 9th ed. St. Louis: Mosby.
6. Current legislation and guidance documents.
7. Journals and professional publications.