

## MODULE DESCRIPTOR

### Module Title

Principles of Diagnostic Image Reporting

Reference	HSM131	Version	7
Created	October 2022	SCQF Level	SCQF 11
Approved	March 2013	SCQF Points	15
Amended	March 2023	ECTS Points	7.5

### Aims of Module

The aim of the module is to enable the participant to develop the knowledge base, analytical, interpretive and evaluative skills that underpin diagnostic image reporting and individual practitioner performance measurement (within their defined scope of practice).

### Learning Outcomes for Module

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

- 1 Critically analyse the process of clinical decision making and reasoning in the context of performance in image interpretation.
- 2 Analyse and synthesise the physiological and psychological factors related to the process of diagnostic image interpretation and the reporting of clinical findings.
- 3 Critically review application of the principles of performance measurement in diagnostic image reporting.
- 4 Critically assess the medico-legal aspects of diagnostic image reporting in the context of practitioners engaged in extended scope working.

### Indicative Module Content

Psychophysical principles; Visual perception; Vision physiology; Decision thresholds, decision making and clinical reasoning; Pattern recognition; Sensitivity, specificity, diagnostic accuracy; Statistical inter-rater reliability evaluation; Receiver Operator Characteristic (ROC) curves; Medico-legal perspectives; Audit and research in image interpretation; Extended scope of practice; Advanced practice.

### Module Delivery

Delivery will be based on directed study supported by tutorials, workshops and seminars delivered on-line.

**Indicative Student Workload**

	Full Time	Part Time
Contact Hours	N/A	60
Non-Contact Hours	N/A	90
Placement/Work-Based Learning Experience [Notional] Hours	N/A	N/A
TOTAL	N/A	150
<i>Actual Placement hours for professional, statutory or regulatory body</i>		

**ASSESSMENT PLAN**

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

**Component 1**

Type:	Coursework	Weighting:	100%	Outcomes Assessed:	1, 2, 3, 4
Description:	Essay				

**MODULE PERFORMANCE DESCRIPTOR****Explanatory Text**

This module is assessed by one component: C1 100% weighting. Module pass mark = Grade D.

Module Grade	Minimum Requirements to achieve Module Grade:
<b>A</b>	An A in component 1.
<b>B</b>	A B in component 1.
<b>C</b>	A C in component 1.
<b>D</b>	A D in component 1.
<b>E</b>	An E in component 1.
<b>F</b>	An F in component 1.
<b>NS</b>	Non-submission of work by published deadline or non-attendance for examination

**Module Requirements**

Prerequisites for Module	Refer Regulation A2: Admission and Enrolment for admission requirements and/or course specific entry requirements.
Corequisites for module	None.
Precluded Modules	None.

**INDICATIVE BIBLIOGRAPHY**

- 1 DIMOND, B., 2002. *Legal aspects of radiology and radiography*. London: Wiley-Blackwell.
- 2 McCONNELL, J., EYRES, R. & NIGHTINGALE, J., 2005. *Interpreting trauma radiographs*. Oxford: Blackwell Publishing Limited.
- 3 THE ROYAL COLLEGE OF RADIOLOGISTS AND THE SOCIETY AND COLLEGE OF RADIOGRAPHERS, 2012. *Team working in clinical imaging*. London: RCR & SCOR.
- 4 Journal articles and professional publications.