

<b>Module Title</b> <b>Principles Of Diagnostic Image Reporting</b>	Reference HSM131 SCQF SCQF Level 11 SCQF Points 15 ECTS Points 7.5
<b>Keywords</b> Reporting, pattern recognition, vision psychophysics, performance measurement, medico-legal	Created October 2012 Approved March 2013 Amended December 2015 Version No. 3

## This Version is No Longer Current

The latest version of this module is available [here](#)

### Prerequisites for Module

Honours degree, or equivalent, in a relevant health care discipline.

Receiver Operator Characteristic (ROC) curves  
Medico-legal perspectives  
Audit and research in image interpretation

### Corequisite Modules

None.

### Indicative Student Workload

#### Precluded Modules

None.

<i>Contact Hours</i>	Part Time
Lectures, tutorials, workshops	20

### Aims of Module

The aim of the module is to enable the participant to develop the knowledge base, analytical, interpretive and evaluative skills required that underpins diagnostic image reporting and

<i>Directed Study</i>	40
Virtual learning environment	20
<i>Private Study</i>	70

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 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

## **Mode of Delivery**

Lectures, tutorials, workshops and virtual learning environment activities

## **Assessment Plan**

	Learning Outcomes Assessed
Component 1	1,2,3
Component 2	4

Component 1: Poster presentation (Major)

Component 2: Oral presentation (Minor)

## **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.

vision physiology

Decision thresholds, decision making and clinical reasoning

Pattern recognition

Sensitivity, specificity, accuracy

Statistical Inter-rater reliability evaluation

4. Journal articles and professional publications.