## MODULE DESCRIPTOR

### Module Title

Diagnostic Image Reporting of the Axial Musculo-skeletal System

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|---|---|---|---|
| Reference | HSM134 | Version | 5 |
| Created | December 2019 | SCQF Level | SCQF 11 |
| Approved | March 2013 | SCQF Points | 15 |
| Amended | June 2020 | ECTS Points | 7.5 |

### Aims of Module

The aim of the module is to enable the participant to develop to the required standard, clinical skills in the analysis, interpretation and evaluation of radiographs of the axial musculo-skeletal system in order to provide a diagnostic image report

### Learning Outcomes for Module

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

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|---|---|
| 1 | Clinically analyse, interpret and critically evaluate diagnostic image appearances of the axial musculo-skeletal system to a specified accuracy level. |
| 2 | Through effective clinical reasoning, demonstrate synthesis and appropriate judgements in determining the outcomes and consequences of radiographic appearance. |
| 3 | Critical appraise and communicate radiological findings in a holistic manner relative to the clinical presentation of the patient. |
| 4 | Critically reflect on their performance in axial musculo-skeletal reporting in order to recognise their continuing professional development needs. |

### Indicative Module Content

Application of the principles of pattern recognition and image interpretation of plain radiographs of the axial musculo-skeletal system; Production of reports for musculo-skeletal diagnostic images; Patient management and onward referral; Recognition and evaluation of the validity of other imaging modalities in the diagnosis of axial musculo-skeletal conditions; Radiation dose, protection and risk; Employing a range of measurement approaches to demonstrate the level of agreement with the accepted standard; Population health needs and policy drivers in the context of advancing practice.

### Module Delivery

Lectures; workshops; work based learning

| Module Ref: | HSM134 v5 |
|---|---|

| **Indicative Student Workload** | Full Time | Part Time |
|---|---|---|
| Contact Hours | N/A | 40 |
| Non-Contact Hours | N/A | 60 |
| Placement/Work-Based Learning Experience [Notional] Hours | N/A | 50 |
| TOTAL | N/A | 150 |
| *Actual Placement hours for professional, statutory or regulatory body* | | 50 |

## 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: | Portfolio | | | | |

## MODULE PERFORMANCE DESCRIPTOR

### Explanatory Text

The module is assessed by a clinical practice portfolio which is graded on an A-F basis.

| Module Grade | Minimum Requirements to achieve Module Grade: |
|---|---|
| **A** | A |
| **B** | B |
| **C** | C |
| **D** | D |
| **E** | E |
| **F** | F |
| **NS** | Non-submission of work by published deadline or non-attendance for examination |

## Module Requirements

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| Prerequisites for Module | Honours degree, or equivalent, in a relevant health care discipline. |
| Corequisites for module | HSM131; HSM132 and HSM133, or recognition of prior learning. |
| Precluded Modules | None. |

## INDICATIVE BIBLIOGRAPHY


1 AU-YONG, I., AU-YONG, A. & BRODERICK, N., 2010. *On-call x-rays made easy*. London: Churchill Livingstone.

2 DEPARTMENT OF HEALTH (DOH), 2017. *Ionising radiation (medical exposure) regulations*. Norwich: DOH. / REGULATION AND QUALITY IMPROVEMENT AUTHORITY (RIQA), 2018. *Ionising radiation (medical exposure) regulations (Northern Ireland)*. Belfast: RQIA.

3 HARDY, M. & SNAITH, B. 2010. *Musculoskeletal trauma: A guide to assessment and diagnosis*. London: Churchill Livingstone.

4 HEALTH AND SAFETY EXECUTIVE (HSE), 2017. *Ionising radiation regulations*. London: HSE. / HEALTH AND SAFETY EXECUTIVE NORTHERN IRELAND (HSENI), 2017. *Ionising radiation regulations (Northern Ireland)*. Belfast: HSENI.

5 HOLMES, E.J. & MISRA, R.R., 2006. *A-Z of emergency radiology*. Cambridge: Churchill Livingstone.

6 McCONNELL, J., EYRES, R. & NIGHTINGALE, J., 2005. *Interpreting trauma radiographs*. Oxford: Blackwell Publishing Limited.

7 RABY, N., BERMAN, L., MORLEY, S. & De LACEY, G., 2014. *Accident & emergency radiology: a survival guide*, 3rd ed. London: Saunders Limited.

8 SOCIETY AND COLLEGE OF RADIOGRAPHERS (SCoR), 2009. *Practice standards for the imaging of children and young people*. London: SCoR.