

MODULE DESCRIPTOR

Module Title

Trauma And Critical Care

Reference	HS2159	Version	1
Created	March 2023	SCQF Level	SCQF 8
Approved	June 2023	SCQF Points	15
Amended	September 2021	ECTS Points	7.5

Aims of Module

To enable the student to gain knowledge and understanding of imaging, care and support of patients with traumatic injuries and in the critical care setting.

Learning Outcomes for Module

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

- 1 Discuss the radiographic imaging utilised in the management of trauma patients and the critically ill.
- 2 Discuss the care and communication needs of trauma patients and the critically ill.
- 3 Examine the principles and values of healthcare teams in trauma and critical care settings and the factors which impact upon the functioning of these teams

Indicative Module Content

Role of conventional radiography as first-line imaging. Use of specialist imaging modalities. FAST scanning. Advanced Trauma Life Support. ALERT. SIGN/NICE guidelines. Management of the theatre patient. Traumatic injury and mechanisms of injury. Fractures, haemorrhage, neuro injuries/pathologies, cardiovascular emergencies. Infection control, radiation protection and patient safety. The critical care patient. ICU/HDU. Forensic imaging Major incident planning Team structures/leadership - unidisciplinary, multidisciplinary and interdisciplinary. Factors which influence effective team working. Initial commenting. Radiographer led minor injury assessment and discharge. Journal clubs. Simulation.

Module Delivery

Blended delivery comprising on campus and online learning and engagement. This will include Workshops, Tutorials, Keynote Lectures, Digital Learning Resources and Simulation

Indicative Student Workload	Full Time	Part Time
Contact Hours	50	N/A
Non-Contact Hours	100	N/A
Placement/Work-Based Learning Experience [Notional] Hours	N/A	N/A
TOTAL	150	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: Coursework Weighting: 100% Outcomes Assessed: 1, 2, 3
 Description: Scenario based Wiki. Graded.

Component 2

Type: Coursework Weighting: 0% Outcomes Assessed: 3
 Description: This relates to a minimum of 80% mandatory attendance of all scheduled module delivery. Attendance will be assessed on a pass/unsuccessful basis.

MODULE PERFORMANCE DESCRIPTOR

Explanatory Text

C1- Major component (graded) C2 - Minor component (pass/fail (unsuccessful)) To achieve a pass, a grade D or above is required and a pass in C2.

Module Grade	Minimum Requirements to achieve Module Grade:
A	A and pass
B	B and pass
C	C and pass
D	D and pass
E	E and pass, A and fail, B and fail, C and fail, D and fail.
F	Fails to achieve the minimum requirements for an E and/or fails to meet the module attendance requirements
NS	Non-submission of work by published deadline or non-attendance for examination

Module Requirements

Prerequisites for Module	Successful completion of all Stage One modules of Master of Diagnostic Radiography will normally be required.
Corequisites for module	None.
Precluded Modules	None.

INDICATIVE BIBLIOGRAPHY

- 1 McCONNELL, J. 2011. *Index of medical imaging*. Oxford: Wiley-Blackwell.
- 2 MURRAY, J.R.D., HOLMES, E. J., MISRA, R.R., 2008. *A-Z of musculoskeletal and trauma radiology*. Cambridge: Cambridge University Press.
- 3 RABY, N. et al., 2014. *Accident and emergency radiology: A survival guide*. 3rd ed. London: Saunders.
- 4 Journal articles and professional publications.