

MODULE DESCRIPTOR

Module Title

Research In Radiography

Reference	HS3152	Version	1
Created	March 2023	SCQF Level	SCQF 9
Approved	June 2023	SCQF Points	30
Amended	September 2021	ECTS Points	15

Aims of Module

To analyse the research methodologies and associated evidence base that underpin patient care and service delivery in diagnostic radiography.

Learning Outcomes for Module

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

- 1 Analyse various types of research methodologies and evidence that may be used to justify professional decision making.
- 2 Appraise the current evidence base for an aspect of radiography practice.
- 3 Analyse the process of and influences on critical thinking and professional decision making for an aspect of radiography practice.
- 4 Critically examine the professional dimensions of clinical decision making based on the best available research and evidence

Indicative Module Content

This module will enable students to identify, evaluate and apply evidence to practice. This will include appraisal and critique of the literature/evidence base, study design, methodologies, methods, data analysis and results/outcomes in relation to an area of radiography practice. There will also be experience of practical study design, sampling, data collection, processing and analysis with presentation of findings. Ethics applied to practice research and good ethical practice. Development of writing and presentation skills.

Module Delivery

Blended learning approach incorporating key note lectures, tutorials, journal clubs, online activities, directed study and practical group tasks including study design, data collection and analysis.

Indicative Student Workload	Full Time	Part Time
Contact Hours	100	N/A
Non-Contact Hours	200	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: Coursework Weighting: 100% Outcomes Assessed: 1, 2, 3, 4
 Description: Group presentation

Component 2

Type: Coursework Weighting: 0% Outcomes Assessed: 4
 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 in C1 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 BOWLING, A., 2014. *Research methods in health: investigating health and health services*. 4th ed. Berkshire: Open University Press.
- 2 CARPENTER, C. & SUTO, M., 2008. *Qualitative research for occupational therapists and physical therapists: a practical guide*. Oxford: Blackwell Publishing.
- 3 HICKS, C., 2009. *Research methods for clinical therapists: applied project design and analysis*. 5th ed. New York: Churchill Livingstone.
- 4 JENKINS, S., PRICE, C.J. & STRAKER, L., 1997. *The research therapist: a practical guide to planning, performing and communicating research*. New York: Churchill Livingstone.
- 5 POLGAR, S., & THOMAS, S.A., 2019. *Introduction to research in the health sciences*. 7th ed. London: Churchill Livingstone.
- 6 HEALTH & CARE PROFESSIONS COUNCIL, 2016. Standards of conduct, performance and ethics. London: HCPC.
- 7 SOCIETY & COLLEGE OF RADIOGRAPHERS, 2013. Code of professional conduct. London: SCOR.
- 8 Relevant scientific journals and research articles.