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## MODULE DESCRIPTOR

### Module Title

Research In Radiography

Reference	HS2129	Version	1
Created	February 2018	SCQF Level	SCQF 8
Approved	July 2018	SCQF Points	15
Amended		ECTS Points	7.5

### Aims of Module

To evaluate/discuss 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 Examine various types of research methodologies and evidence that may be used to justify professional decision making.
- 2 Discuss and apply the current evidence base for an aspect of radiography practice.
- 3 Examine the process of and influences on critical thinking and professional decision making for an aspect of radiography practice.
- 4 Discuss 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	50	N/A
Non-Contact Hours	100	N/A
Placement/Work-Based Learning Experience [Notional] Hours	N/A	N/A
TOTAL	150	N/A
<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:	Group presentation				

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

C1

Module Grade	Minimum Requirements to achieve Module Grade:
<b>A</b>	A
<b>B</b>	B
<b>C</b>	C
<b>D</b>	D
<b>E</b>	E
<b>F</b>	Fails to achieve the minimum requirements for an E and/or fails to meet the module attendance requirements
<b>NS</b>	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., 2013. *Introduction to research in the health sciences*. 6th 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.