

MODULE DESCRIPTOR

Module Title

Introduction To Research

Reference	AS3006	Version	1
Created	June 2017	SCQF Level	SCQF 9
Approved	June 2018	SCQF Points	15
Amended		ECTS Points	7.5

Aims of Module

To develop skills and understanding of the research process and enable preparation for and confidence in undertaking and critically evaluating research.

Learning Outcomes for Module

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

- 1 Demonstrate critical understanding of the research process, including research philosophy and governance.
- 2 Critically evaluate different research methodologies and analytical techniques.
- 3 Search and appraise published literature.

Indicative Module Content

Principles of hypothesis generation, study design, sample selection, data management, statistical analysis and interpretation; compliance with research ethics and governance processes and policies; qualitative and quantitative research methodologies; systematic reviews; meta- and pooled-analyses; critical appraisal of the literature; grading of evidence; research protocols; information sheets; consent forms; ethics approval; construction of a research instrument; intellectual property issues.

Module Delivery

Theoretical material is delivered by lectures. Workshops and tutorials will provide opportunities for practical application and development of skills.

Indicative Student Workload

	Full Time	Part Time
Contact Hours	40	N/A
Non-Contact Hours	110	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
Description:	Individual research proposal.				

MODULE PERFORMANCE DESCRIPTOR**Explanatory Text**

This module is assessed using the one component of assessment as detailed in the Assessment Plan. To pass this module, students must achieve a module grade D or better.

Module Grade	Minimum Requirements to achieve Module Grade:
A	A mark for C1 of 70% or more.
B	A mark for C1 between 60 and 69%.
C	A mark for C1 between 50 and 59%.
D	A mark for C1 between 40 and 49%.
E	MARGINAL FAIL. A mark for C1 between 35 and 39%.
F	FAIL. A mark for C1 of less than 35%.
NS	Non-submission of work by published deadline or non-attendance for examination

Module Requirements

Prerequisites for Module	Successful completion of Stage 2 or equivalent.
Corequisites for module	None.
Precluded Modules	None.

INDICATIVE BIBLIOGRAPHY

- 1 BOWLING, A. *Research methods in health: investigating health and health services*. Current edition. Buckingham: Open University Press.
- 2 CROMBIE, I. *The pocket guide to critical appraisal*. Current edition. London: BMJ Publications.
- 3 PETRIE, A. and SABIN, C. *Medical statistics at a glance*. Current edition. Oxford: Wiley-Blackwell.
- 4 COX, D.R., 1992. *Planning of experiments*, classics edition (reprinted from 1958). Oxford: Wiley-Blackwell.
- 5 RUXTON, G.D. and COLEGRAVE, N. *Experimental design for the life sciences*. Current edition. Oxford: Oxford University Press.
- 6 HOLMES, D., MOODY, P. and DINE, D. *Research methods for the biosciences*. Current edition. Oxford: Oxford University Press.
- 7 HUCK, S.W. and CORMIER, W.H. *Reading statistics and research*. Current edition. New York: Harper Collins.
- 8 CAMPBELL, M.J. and SWINSCOW, T.D.V. *Statistics at square one*. Current edition. Oxford: Wiley-Blackwell.