MODULE DESCRIPTOR

Module Title

Research Skills

Reference	PLM403	Version	1
Created	May 2022	SCQF Level	SCQF 11
Approved	August 2022	SCQF Points	15
Amended	August 2021	ECTS Points	7.5

Aims of Module

To demonstrate professional skills and understanding the design, analysis, interpretation and critical appraisal of the research process.

Learning Outcomes for Module

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

1	Demonstrate understanding of the importance of research governance and integrity, including research ethics.
2	Critically evaluate the principles of study design, including observational and experimental studies.
3	Demonstrate mastery of appropriate methodological techniques for data collection, analysis, interpretation and dissemination in a specified area of study.

Indicative Module Content

Study design including qualitative and quantitative research methodologies, animal and cellular models, sample selection, questionnaire design, bias, confounding, validity, accuracy, calibration, precision, replicability, and critical appraisal of the literature. Compliance with research ethics and research governance framework, protocols, information sheets, consent forms, good clinical practice, and intellectual property issues. Data collection and management, statistical analysis, data presentation, interpretation and dissemination.

Module Delivery

Online learning comprising self-directed learning materials, such as videos and reading, supported by synchronous sessions with peers and academic staff

Indicative Student Workload

Indicative Student Workload	Full Time	Part Time
Contact Hours	10	10
Non-Contact Hours	140	140
Placement/Work-Based Learning Experience [Notional] Hours	N/A	N/A
TOTAL	150	150
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:	Submission of a research proposal.				

MODULE PERFORMANCE DESCRIPTOR

Explanatory Text

Component 1 (research proposal) comprises 100% of the module grade. A minimum of Module Grade D is required to pass the module.

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

Prerequisites for Module	None.
Corequisites for module	None.
Precluded Modules	None.

INDICATIVE BIBLIOGRAPHY

1	BOWLING, A., 2007. Handbook of health research methods. Maidenhead: McGraw-Hill Education
2	CRESSWELL, J.W., 2018. Research design: Qualitative, quantitative, and mixed methods approaches. Los Angeles: Sage.
3	HARRIS, D.J., 2019. Literature review and research design : a guide to effective research practice. London: Routledge
4	LOVEGROVE, J.A. et al., eds., 2015. Nutrition research methodologies. Chichester: Wiley Blackwell.