

Prifysgol Wreccsam Wrexham University

Module specification

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Module Code	SCI638
Module Title	Research Project
Level	6
Credit value	40
Faculty	FSLS
HECoS Code	100962
Cost Code	GAFS
Pre-requisite module	SCI557 Research Methods

Programmes in which module to be offered

Programme title	Core/Optional/Standalone
BSc (Hons) Forensic Science	Core
BSc (Hons) Forensic Science with Placement Year	Core
BSc (Hons) Biochemistry	Core
BSc (Hons) Biomedical Science	Core

Breakdown of module hours

Learning and teaching hours	18 hrs
Placement tutor support hours	0 hrs
Supervised learning hours e.g. practical classes, workshops	0 hrs
Project supervision hours	6 hrs
Active learning and teaching hours total	24 hrs
Placement hours	0 hrs
Guided independent study hours	376 hrs
Module duration (Total hours)	400 hrs

Module aims

The purpose of this module is for students to integrate and apply knowledge gained during their degree programme in a self-motivated, enquiring, and problem-solving manner. Students will expand their own learning in a specific area of applied science. The aim of this module is to develop their skills in practical research and research methods in preparation for postgraduate study/graduate level employment.

Module Learning Outcomes

At the end of this module, students will be able to:

1	Critically appraise written scientific information.
2	Formulate a set of research question or hypotheses(s) that are relevant to area of study.
3	Justify appropriate use of research methodology.
4	Make appropriate use of statistical or other data analysis methods.
5	Interpret research findings appropriately.
6	Produce a critical discussion of the research findings in relation to current literature.
7	Present a research poster outlining key research findings.
8	Create a well-organised poster that clearly conveys research findings.

Assessment

Indicative Assessment Tasks:

This section outlines the type of assessment task the student will be expected to complete as part of the module. More details will be made available in the relevant academic year module handbook.

Assessment 1: Dissertation (6000 words)

Students will write a dissertation on a topic relevant to their field of study.

Assessment 2: Academic Poster

Students will create an academic poster outlining the key findings of their research project.

Assessment number	Learning Outcomes to be met	Type of assessment	Duration/Word Count	Weighting (%)	Alternative assessment, if applicable
1	1 - 6	Dissertation/Project	6000 words	80%	N/A
2	7 - 8	Presentation	10 minutes	20%	N/A

Derogations

None.

Learning and Teaching Strategies

Students will receive introductory lectures expanding their knowledge in research methods. Students will have individual tutorials with their project supervisor to guide their work and ensure appropriate progress is being made. Practical work will be performed by the student under the direction of appropriate staff members.

Welsh Elements

Students are entitled to submit assessments in the medium of Welsh.

Indicative Syllabus Outline

- Research ethics
- Risk assessing and COSSH
- Data analysis
- Critical writing
- Statistics
- Literature search

Indicative Bibliography

Please note the essential reads and other indicative reading are subject to annual review and update.

Essential Reads:

This will depend on the project. Essential reading is expected to be mainly research papers and, if applicable to the project, case studies and court papers.

Other indicative reading:

Field, A. (2017), *Discovering statistics using IBM SPSS statistics*, London: Sage Publishing.

Pallant, J. (2020), *SPSS survival manual: A step by step guide to data analysis using IBM SPSS*, Berkshire: Open University Press.

Machi, L.A. & McEvoy, B.T. (2016), *The Literature Review: Six Steps to Success*. California: Cowin Press:

Thomas, G. (2022), *How to do your Research Project: A Guide for Students*, London: Sage Publishing.

Administrative Information

For office use only	
Initial approval date	Nov 2018
With effect from date	01/09/2019
Date and details of revision	10/05/2023 AB approval of BSc (Hons) Forensic Science revalidation April 2025 – updated module including assessment strategy June 2026 – AM0 modification to update Learning Outcomes section.
Version number	4