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## MODULE DESCRIPTOR

### Module Title

Bioscience Honours Research Project

Reference	AS4199	Version	1
Created	October 2017	SCQF Level	SCQF 10
Approved	February 2018	SCQF Points	60
Amended		ECTS Points	30

### Aims of Module

To enable students to undertake independent research and to demonstrate initiative, ability to plan, execute, critically appraise and communicate a subject related research based project centred on data generation.

### Learning Outcomes for Module

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

- 1 Devise a plan of work, health and safety, and research ethics documentation appropriate to the specified project brief.
- 2 Work independently to acquire and utilise the appropriate knowledge, problem solving skills, and technical skills required for the specified project.
- 3 Prepare a comprehensive scientific report on the work undertaken which shall include a critical evaluation of the significance of the findings obtained.
- 4 Communicate and defend the findings of the work in the form of a poster presentation to an audience at an appropriate level of detail.

### Indicative Module Content

An independent subject-related, research based project centered on data generation.

### Module Delivery

Project work is a student centred activity involving laboratory work or other investigative activity.

### Indicative Student Workload

	Full Time	Part Time
Contact Hours	50	N/A
Non-Contact Hours	550	N/A
Placement/Work-Based Learning Experience [Notional] Hours	N/A	N/A
TOTAL	600	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: 20% Outcomes Assessed: 1, 2  
 Description: Practical laboratory work. Research ethics and health & safety.

**Component 2**

Type: Coursework Weighting: 50% Outcomes Assessed: 3  
 Description: Report in the form of a scientific paper.

**Component 3**

Type: Coursework Weighting: 30% Outcomes Assessed: 4  
 Description: Poster presentation.

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

This module is assessed using the three components of assessment as detailed in the Assessment Plan. To pass this module, candidates must achieve a Module Grade D or better.

Module Grade	Minimum Requirements to achieve Module Grade:
<b>A</b>	Final aggregate mark of 70% or greater and a minimum of 35% in C1, C2, and C3
<b>B</b>	Final aggregate mark of between 60-69% and a minimum of 35% in C1, C2 and C3
<b>C</b>	Final aggregate mark of between 50-59% and a minimum of 35% in C1, C2 and C3
<b>D</b>	Final aggregate mark of between 40-49% and a minimum of 35% in C1, C2 and C3
<b>E</b>	MARGINAL FAIL. Final aggregate of between 35-39% and a minimum of 35% in C1, C2 and C3
<b>F</b>	FAIL. A mark of less than 35% in either component
<b>NS</b>	Non-submission of work by published deadline or non-attendance for examination

**Module Requirements**

Prerequisites for Module	Successful completion of Stage 3 of the course or equivalent.
Corequisites for module	None.
Precluded Modules	None.

**INDICATIVE BIBLIOGRAPHY**

- 1 MATTHEWS, J.R. and MATTHEWS, R.W. *Successful Scientific Writing: A Step-by-Step Guide for the Biological and Medical Sciences*. Current Edition. Cambridge University Press.
- 2 WEYERS, J., REED, R., JONES, A. and HOLMES, D. *Practical Skills in Biomolecular Sciences*. Current Edition. Benjamin Cummings.
- 3 YOUNG, M. *The Technical Writer's Handbook: Writing with Style and Clarity*. Current Edition. University Science Books.
- 4 BREACH, M. *Dissertation Writing for Engineers and Scientists*. Current Edition. Prentice Hall.