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MODULE DESCRIPTOR

Module Title

Bioscience Honours Research Project

Reference	AS4199	Version	2
Created	August 2021	SCQF Level	SCQF 10
Approved	February 2018	SCQF Points	60
Amended	August 2021	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: 15% Outcomes Assessed: 1, 2
 Description: Practical laboratory work. Research ethics and health & safety.

Component 2

Type: Coursework Weighting: 65% Outcomes Assessed: 3
 Description: Report in the form of a scientific paper.

Component 3

Type: Coursework Weighting: 20% Outcomes Assessed: 4
 Description: Poster presentation.

MODULE PERFORMANCE DESCRIPTOR**Explanatory Text**

The first grade represents Component 2 (C2;CW2) weighted as major, the second, Component 1 (C1;CW1) weighted as minor and Component 3 (C3;CW3) weighted as minor. A minimum module grade of D is required for a pass, with compensation of grade E in C1 or C3 permitted. C2 must be passed at a minimum D grade to pass the module. Non-submission of either component will result in an NS grade.

Module Grade	Minimum Requirements to achieve Module Grade:
A	C2: A; C1 & C3 any combination of: AA, AB, AC or BB.
B	C2: A; C1 & C3 any combination of: AD, BC, BD, CC, CD; C2: B; C1 & C3 any combination of: AB, AC, BB, BC, or CC.
C	C2: A; C1 & C3 any combination of: AE, BE, CE, DD, DE; C2: B; C1 & C3 any combination of: AD, AE, BD, BE, CD, CE, DD, DE; C2: C; C1 & C3 any combination of: AA, AB, AC, AD, AE, BB, BC, BD, BE, CC, CD, CE, DD, DE.
D	C2: A, B or C; C1 & C3: EE; C2: D; C1 & C3 any combination of: AA, AB, AC, AD, AE, BB, BC, BD, BE, CD, CE, DD, DE.
E	C2: A, B, C or D; C1 & C3 any combination of: AF, BF, CF, DF, EF or FF; C2: E, C1 & C3 in any combination.
F	C2: F, C1 & C3 in any combination.
NS	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.