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MODULE DESCRIPTOR

Module Title

Biomedical Science: Honours Research Project

| | | | |
|-----------|----------------|-------------|---------|
| Reference | AS4599 | Version | 1 |
| Created | September 2017 | SCQF Level | SCQF 10 |
| Approved | February 2018 | SCQF Points | 45 |
| Amended | | ECTS Points | 22.5 |

Aims of Module

To provide a vehicle for students to demonstrate initiative and ability in the planning, execution and critical appraisal of an independent 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 appropriate to the specified project brief.
- 2 Work independently to acquire and utilise the appropriate skills and knowledge base.
- 3 Prepare a comprehensive scientific report on the work undertaken which includes a critical evaluation of the significance of the findings obtained.
- 4 Unambiguously present 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 | 37 | N/A |
| Non-Contact Hours | 413 | N/A |
| Placement/Work-Based Learning Experience [Notional] Hours | N/A | N/A |
| TOTAL | 450 | 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: 25% Outcomes Assessed: 1, 2
 Description: Practical laboratory work.

Component 2

Type: Coursework Weighting: 50% Outcomes Assessed: 3
 Description: Project report.

Component 3

Type: Coursework Weighting: 25% 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: |
|--------------|--|
| A | Final aggregate mark of 70% or greater and a minimum of 35% in C1, C2, and C3 |
| B | Final aggregate mark of between 60-69% and a minimum of 35% in C1, C2 and C3 |
| C | Final aggregate mark of between 50-59% and a minimum of 35% in C1, C2 and C3 |
| D | Final aggregate mark of between 40-49% and a minimum of 35% in C1, C2 and C3 |
| E | MARGINAL FAIL. Final aggregate of between 35-39% and a minimum of 35% in C1, C2 and C3 |
| F | FAIL. A mark of less than 35% in either component |
| 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. |

ADDITIONAL NOTES

All students will undertake an individualised research project which is appropriate to their chosen degree course. The reference material will consist of papers published in related journals and specialist reviews and which are relevant to each individual project.

INDICATIVE BIBLIOGRAPHY

- 1 MATTHEWS, J.R. and MATTHEWS, R.W. *Successful Scientific Writing: A Step-by-Step Guide for the Biological and Medical Sciences*. 4th Edition, 2014. Cambridge University Press.
- 2 WEYERS, J., REED, R., JONES, A. and HOLMES, D. *Practical Skills in Biomolecular Sciences*. 5th Edition, 2017. Benjamin Cummings.
- 3 YOUNG, M. *The Technical Writer's Handbook: Writing with Style and Clarity*. 1989. University Science Books.
- 4 BREACH, M. *Dissertation Writing for Engineers and Scientists*. 2009. Prentice Hall.