

Module Details	
Module Title	Research Project
Module Code	BIS7026-E
Academic Year	2021/2
Credits	60
School	School of Chemistry and Biosciences
FHEQ Level	FHEQ Level 7

Contact Hours	
Type	Hours
Project Supervision	300
Tutorials	15
Independent Study	285

Availability	
Occurrence	Location / Period
BDA	University of Bradford / Semester 3

Module Aims
To develop self-direction and originality in the application of knowledge and problem solving in a practical-based research project. Evaluate critically a current area of research in Biomedical Science. To develop comprehensive understanding of appropriate techniques, their limitations and how those techniques can be used to create and interpret knowledge; to demonstrate analytical, critical evaluation, statistical and IT skills in the presentation of a practical research report and a scientific poster; to demonstrate knowledge, understanding and critical analysis in an oral (viva voce) assessment.

Outline Syllabus
As agreed with the project supervisor.

Learning Outcomes	
Outcome Number	Description
01	Explain and critically evaluate specialist subject areas.
02	Critically evaluate and communicate scientific data in the context of published work.
03	Demonstrate self-direction and originality in implementing a bioscience research project.
04	Research and analyse a current problem in Biosciences.
05	Demonstrate critical thinking.
06	Demonstrate an understanding of research and scientific method.
07	Undertake critical thinking.
08	Demonstrate effective written and oral communication skills by a research dissertation and viva voce.
09	Develop an IT strategy to organise and refer to literature, and present data in an appropriate manner in a dissertation.
10	Employ statistics where relevant.
11	Undertake project planning and time management, agree objectives, responsibilities and working arrangements.
12	Demonstrate effective time management.
13	Work with a supervisor and/or technical staff to plan, agree objectives, responsibilities and working arrangements; explore problems and compare and select options to overcome them.

Learning, Teaching and Assessment Strategy
Academics will give a brief introduction to their research project(s) allowing students time to research a topic of interest and rank projects of choice. Students may approach academics to learn more about the project. Projects will be allocated based on ranking choice where possible, however there is only one student per project. Following background reading from the scientific literature, an extended research project is carried out over 9 weeks under supervision of a member of academic staff. Students are responsible for the continued observance of the legislative aspects of the projects (COSHH assessment etc., biological safety, working with genetically modified organisms).

Mode of Assessment			
Type	Method	Description	Weighting
Summative	Examination - oral/viva voce	Viva voce on research project/poster	20%
Summative	Coursework	Laboratory Performance	20%
Summative	Dissertation or Project Report	Project Report (10,000 words)	60%

Reading List

To access the reading list for this module, please visit <https://bradford.rl.talis.com/index.html>

Please note:

This module descriptor has been published in advance of the academic year to which it applies. Every effort has been made to ensure that the information is accurate at the time of publication, but minor changes may occur given the interval between publishing and commencement of teaching. Upon commencement of the module, students will receive a handbook with further detail about the module and any changes will be discussed and/or communicated at this point.

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