

Module Details	
Module Title:	Research Project 2
Module Code:	BIS7025-E
Academic Year:	2019-20
Credit Rating:	60
School:	School of Chemistry and Biosciences
Subject Area:	Biomedical Science
FHEQ Level:	FHEQ Level 7 (Masters)
Pre-requisites:	
Co-requisites:	Research Project 1 2019-20

Contact Hours	
Type	Hours
Tutorials	15
Laboratory	300
Directed Study	285

Availability	
Occurrence	Location / Period
BDA	University of Bradford / Semester 3 (June - Oct)

Module Aims
<p>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.</p>

Outline Syllabus
As agreed with the project supervisor.

Learning Outcomes	
1	Explain and critically evaluate specialist subject areas.
2	Critically evaluate and communicate scientific data in the context of published work.
3	Demonstrate self-direction and originality in implementing a biomedical research project.
4	Research and analyse a current problem in Biomedical Sciences.
5	Demonstrate critical thinking.
6	Demonstrate an understanding of research and scientific method.
7	Undertake critical thinking.
8	Demonstrate effective written and oral communication skills by a research dissertation and viva voce.
9	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 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
<p>Each student has extensive choice allowing a topic of interest to be researched. Following background reading from the scientific literature, an extended research project is carried out over 9 weeks under the 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 organisms). The module develops and enhances student autonomy in learning.</p> <p>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).</p>

Mode of Assessment				
Type	Method	Description	Length	Weighting
Summative	Examination - oral/viva voce	Viva voce on research project/dissertation		20%
Summative	Dissertation or Project Report	Project report	0-10000 words	60%

Summative	Coursework	Laboratory performance		20%
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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.