UNIVERSITY of BRADFORD

Module Descriptor

Module Details	
Module Title:	Stage Four Research Project
Module Code:	CFS7005-E
Academic Year:	2019-20
Credit Rating:	60
School:	School of Chemistry and Biosciences
Subject Area:	Chemistry
FHEQ Level:	FHEQ Level 7 (Masters)
Pre-requisites:	
Co-requisites:	

Contact Hours	
Type	**Hours**
Tutorials	12
Laboratory	288
Directed Study	300

Availability	
Occurrence	**Location / Period**
BDA	University of Bradford / Academic Year (Sept - May)

Module Aims

Provide students with opportunity to apply chemical knowledge & laboratory skills in practical research project. Further develop professional skills incl. use of on-line literature/chemical data searching; ability to critically review relevant published literature & written/oral presentation of research activities

Outline Syllabus

Students will choose a practical research project from a list of projects provided by the department or they will suggest one of their own. Students will: be guided in strategically planning their experimental work (Gantt Chart); carry out all appropriate COSHH assessments for all stages of their practical work; source and access relevant published work; be required to

generate interim reports (both oral and written summaries); give an oral and poster presentation to staff and peers and submit a written research report on completion of the study. Students will be required to undertake a piece of assessed coursework related to their project study.

Learning Outcomes

1	Select and use appropriate research equipment without supervision.
2	Critically appraise value of own work and that of peers.
3	Understand how to apply aspects of theoretical knowledge to data acquired through practical work.
4	Show evidence of having planned and conducted appropriate experiments in relation to project's objectives.
5	Interpret experimental data & draw appropriate conclusions.
6	Critically appraise findings & conclusions in relevant chemical literature.
7	Present your work in form of research poster/orally in research colloquium/as comprehensive written report.

Learning, Teaching and Assessment Strategy

Learning:
Students are expected to devote 600 hours to their dissertation. This is individual work on an original piece of research. You are required to work independently on your project, to seek advice or practical help when appropriate, with regular communication with your project supervisor(s).

Teaching:
You will be allocated a supervisor(s) who will provide practical support and guidance throughout the design, data collection, data analysis, discussion, summarising of findings and writing up of the final dissertation. Additional support will be provided by members of the technical staff. This will be achieved through formal tutorial meetings with your supervisor(s) (12 recommended) and other supervised activities appropriate to the research method employed. Individual supervision will allow you the opportunity to discuss your ideas, concerns and progress.

Assessment:
Formative feedback will be provided by the supervisor(s) on a draft of the thesis. Summative feedback will be provided as a written examiners report on the final submitted thesis.

Mode of Assessment

Type	Method	Description	Length	Weighting
Summative	Presentation	Oral presentation	15 minutes	15%
Summative	Presentation	Poster presentation	0 hours	15%
Summative	Coursework	Written research reports and practical	0-9000 words	70%

		assessment		

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.