

Module Details	
Module Title:	Integrated Science Research Project
Module Code:	CFS6010-C
Academic Year:	2019-20
Credit Rating:	30
School:	School of Chemistry and Biosciences
Subject Area:	Chemistry
FHEQ Level:	FHEQ Level 6
Pre-requisites:	
Co-requisites:	

Contact Hours	
Type	Hours
Tutorials	12
Laboratory	60
Directed Study	228

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

Module Aims
To provide students with an opportunity to apply the relevant knowledge and skills in a practical research project in their chosen area of specialism. Further develop professional skills including use of on-line literature/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; 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,.

Learning Outcomes

1	Apply aspects of theoretical knowledge to data acquired through practical work.
2	Critically appraise value of own work and that of peers.
3	Select and use appropriate research equipment without supervision.
4	Plan and conduct appropriate experiments in relation to project's objectives.
5	Interpret experimental data and draw appropriate conclusions.
6	Critically appraise findings and conclusions in relevant literature and devise relevant arguments.
7	Present methods, results and discussion of scientific work clearly in the form of research poster/orally in research colloquium/as comprehensive written report.

Learning, Teaching and Assessment Strategy

Guided study through seminars and individual tutorials.

Mode of Assessment

Type	Method	Description	Length	Weighting
Summative	Presentation	Poster presentation	0 hours	15%
Summative	Presentation	Oral presentation (15 minutes)		15%
Summative	Coursework	5000-7000 word Research Project Report or Dissertation submtd by the end of wk 12 sem 2 & pract assess by supervisor	0 hours	70%

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.

