

Integrated Science Research Project

Module Code:	CFS6010-C
Academic Year:	2018-19
Credit Rating:	30
School:	School of Chemistry and Biosciences
Subject Area:	Chemistry and Forensic Science (ceases 2016)
FHEQ Level:	FHEQ Level 6
Module Leader:	Dr Paul Jennings

Additional Tutors:

Pre-requisites:

Co-requisites:

Contact Hours

Type	Hours
Tutorials	12
Laboratory	60
Directed Study	228

Availability Periods

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,.

Module Learning Outcomes

On successful completion of this module, students will be able to...

- 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	Final Assess'
Summative	Presentation	Oral presentation (15 minutes)		15%	No
Summative	Presentation	Poster presentation	0 hours	15%	Yes
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%	No

Legacy Code (if applicable)

CT-3508J

Reading List

To view Reading List, please go to [rebus:list](#).