

Module Details	
Module Title	Work Based Research Project (at Distance)
Module Code	CFS6029-C
Academic Year	2021/2
Credits	30
School	School of Chemistry and Biosciences
FHEQ Level	FHEQ Level 6

Contact Hours	
Type	Hours
Work based learning	160
Placement	85
Tutorials	5
Laboratories	20
Directed Study	30

Availability	
Occurrence	Location / Period
DLA	University of Bradford / Academic Year

Module Aims
To provide students with opportunity to apply chemical knowledge and laboratory skills from their work placement in the form of a research project. To further develop professional skills including use of: on-line literature/chemical data searching; ability to critically review relevant published literature and written/oral presentation of research activities.

Outline Syllabus
Students will choose a practical research project in agreement with their employer. 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	
Outcome Number	Description
01	Select and use appropriate research equipment without supervision
02	Critically appraise value of own work and that of peers.
03	Understand how to apply aspects of theoretical knowledge to data acquired through practical work
04	Show evidence of having planned and conducted appropriate experiments in relation to project's objectives.
05	Interpret experimental data & draw appropriate conclusions.
06	Critically appraise findings & conclusions in relevant chemical literature.
07	Present work in form of research poster/orally in research colloquium/as a 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. They are required to work independently on their project, to seek advice or practical help when appropriate, with regular communication with their project supervisors. Teaching: Students will be allocated a supervisor (most likely their existing supervisory team) to include one member of academic staff and one member of staff from the company 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. This will be achieved through formal tutorial meetings with 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. 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. Support for any additional experimental work required to complete the dissertation will be arranged through the university, to include the use of university laboratories and analytical equipment if required.

Mode of Assessment			
Type	Method	Description	Weighting
Summative	Coursework	Written research reports and practical assessment	70%
Summative	Presentation	Oral Presentation (15 Mins)	15%
Summative	Presentation	Poster Presentation	15%

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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