

CH3H8-15 BSc Research Project

25/26

Department

Chemistry

Level

Undergraduate Level 3

Module leader

Daniel Murdock

Credit value

15

Module duration

10 weeks

Assessment

100% coursework

Study location

University of Warwick main campus, Coventry

Description

Introductory description

N/A

Module aims

Gaining practical experience in an academic research laboratory is an excellent way for a trainee scientist to further their skills and gain valuable information enabling them to make informed career choices. Students undertaking this module are expected to carry out a significant piece of research work or project which is written up as a report. Although the exact nature of the work can be broadly defined, the report should demonstrate an ability to write up the work in a style which clearly communicates the aims and outcomes of the project. The data and results should be presented in a format following guidelines of publications in the area of the work carried out. The module thus contributes in a large part to the development of planning and communication skills through experiential learning and as such can be considered extremely important in the development of a practising scientist's skill set.

Outline syllabus

This is an indicative module outline only to give an indication of the sort of topics that may be covered. Actual sessions held may differ.

The student will undertake a placement in an academic research laboratory for a period of 10 weeks over terms 1 & 2. After the placement the student is required to write a report of 3000 words detailing the aims of the work carried out, key results and discussion and conclusions.

Learning outcomes

By the end of the module, students should be able to:

- Plan a written report on a substantial project.
- Carry out a piece of closely supervised work of a scientific nature.

Research element

Placement dissertation/report.

Subject specific skills

Hypotheses formation, Problem solving, placing work into a scientific open and patent literature context, design of experiments, data interpretation and theoretical development and understanding.

Transferable skills

writing skills, communication skills, group work skills, time management and work load organization.

Study

Study time

Type	Required
Supervised practical classes	10 sessions of 7 hours (47%)
Assessment	80 hours (53%)
Total	150 hours

Private study description

No private study requirements defined for this module.

Costs

No further costs have been identified for this module.

Assessment

You do not need to pass all assessment components to pass the module.

Assessment group A

	Weighting	Study time	Eligible for self-certification
Assessment component			
3000 word report	80%	80 hours	No
During the placement the student is required to write a report of a minimum of 3000 words (excluding references, excluding supporting information) detailing the aims of the work carried out, key results and discussion and conclusions.			

Reassessment component is the same

Assessment component

Supervisor Assessment	20%		No
Assessment of the student's work during the placement, according to the Host Supervisor			

Reassessment component is the same

Feedback on assessment

Marks and written feedback for all components.

Availability

Pre-requisites

To take this module, you must have passed:

- All of
 - [CH222-30 Practical and Professional Chemistry Skills II](#)

Courses

This module is Core optional for:

- UCHA-4 Undergraduate Chemistry (with Intercalated Year) Variants
 - Year 4 of F101 Chemistry (with Intercalated Year)
 - Year 4 of F122 Chemistry with Medicinal Chemistry (with Intercalated Year)
- UCHA-3 Undergraduate Chemistry 3 Year Variants
 - Year 3 of F100 Chemistry
 - Year 3 of F121 Chemistry with Medicinal Chemistry
- Year 3 of UCHA-F110 Undergraduate Master of Chemistry (with Industrial Placement)
- Year 3 of UCHA-4M Undergraduate Master of Chemistry Variants