

# BS240-24 Biochemistry Laboratories

**20/21**

**Department**

Life Sciences

**Level**

Undergraduate Level 2

**Module leader**

Robert Spooner

**Credit value**

24

**Module duration**

8 weeks

**Assessment**

100% coursework

**Study location**

University of Warwick main campus, Coventry

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## Description

### Introductory description

BS240-24 Biochemistry Laboratories

### Module aims

This module aims to increase the practical laboratory skills, data handling, and problem-solving skills of Biochemistry students and to reinforce the need to use Good Laboratory Practice. It covers core labs taken by all students (bioinformatics and molecular cell biology) and labs specific for Biochemistry students (Protein Biochemistry, Tools for Biochemistry and Signalling and Integration). The core labs introduce students to the techniques of PCR and cloning, and to sequence –handling i.e. from clone to genome. The specific labs are strongly linked to lecture modules, with the aim of co-ordinating theory with practical skills.

### 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.

Laboratories covering:

Bioinformatics

Molecular Biology  
Tools for Biochemistry  
Protein Biochemistry  
Signalling and Integration

## Learning outcomes

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

- Improving laboratory, data-handling and problem-solving skills. See section 22 for detail

## Subject specific skills

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## Transferable skills

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## Study

### Study time

Type	Required
Practical classes	14 sessions of 1 hour (6%)
Fieldwork	5 sessions of 1 hour (2%)
Private study	221 hours (92%)
Total	240 hours

### Private study description

No private study requirements defined for this module.

### Costs

No further costs have been identified for this module.

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## Assessment

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

## Assessment group A2

	Weighting	Study time	Eligible for self-certification
Assessment component			
Labs	100%		No
Laboratory reports and in-lab assessments.			
Oral presentations and data handling			

Reassessment component is the same

## Feedback on assessment

Group feedback via Moodle and individual feedback on reports\r\n\r\n

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## Availability

## Courses

This module is Core for:

- UBSA-C700 Undergraduate Biochemistry
  - Year 2 of C700 Biochemistry
  - Year 2 of C700 Biochemistry
- ULFA-C1A2 Undergraduate Biochemistry (MBio)
  - Year 2 of C1A2 Biochemistry
  - Year 2 of C700 Biochemistry
- Year 2 of UBSA-C701 Undergraduate Biochemistry (with Intercalated Year)
- Year 2 of ULFA-C1A6 Undergraduate Biochemistry with Industrial Placement (MBio)