



University  
of Dundee

Biological and Biomedical  
Sciences Education

School of Life Sciences and School of Medicine

# Module Handbook

**BS42012**  
**2021/22**

**Module Manager: Prof M C Field**  
**mcfield@dundee.ac.uk**

**This handbook belongs to:.....**

**Email: .....**

## Table of Contents

Table of Contents.....	2
Module teaching staff.....	3
Aims .....	3
Intended learning outcomes .....	3
Learning resources & coursework .....	3
Blended learning.....	3
Synchronous online lectures/workshops .....	3
Etiquette for synchronous online events .....	4
Asynchronous online lectures/workshops .....	4
Workshops.....	4
Lecture notes.....	5
Intended learning outcomes .....	5
Personal private study .....	5
Compulsory classes and assessed elements.....	5
Consequences of poor attendance or failure to submit coursework .....	5
Penalties for late submission of course work .....	5
Coursework extension requests .....	6
Criteria for passing this module.....	6
Format of the degree examination .....	6
Recommended reading .....	6
Schedules for workshops etc.....	7

## MODULE TEACHING STAFF

### Module Manager:

Prof M C Field                      mcfield@dundee.ac.uk

### Other teaching staff:

Professor D Horn                      dhorn@dundee.ac.uk  
Dr S Wyllie                              swyllie@dundee.ac.uk  
Dr B Colon                                bcolon@dundee.ac.uk  
Dr M deRycker                         mderycker@dundee.ac.uk

**Teaching Support:**                LSUGBIO@dundee.ac.uk (Biological)

### Aims

To introduce students to molecular, cellular and biochemical aspects of selected parasitic protozoa. A specific emphasis on the interplay between basic biology and the understanding of pathogenesis together with challenges associated with therapeutics will also be discussed.

### Intended learning outcomes

After completing this module, students will have an understanding of the basic biology of selected protozoan parasites, important questions and issues at the current research edge, common approaches to their study and the challenges and progress in development of chemotherapies for control. Students will develop their skills in critical analysis of research material, problem solving, use of the online scientific literature and oral and written presentation. Group interactions and self-assessment are all important components.

## LEARNING RESOURCES & COURSEWORK

### BLENDED LEARNING

This module will be delivered in a “blended” mode, including a variety of “synchronous-online” and “face-to-face” sessions. Depending, we may also use “synchronous-online” sessions. The sections below explain what is meant by each of these terms and how you should approach them to maximise your chances of learning in this module. If you do not have access to a stable internet connection please discuss this at the start of the semester with your Programme Lead to find a suitable solution.

### Synchronous online lectures/workshops

These are “live” events, organised via Blackboard Collaborate or Teams. They will be centrally timetabled and attendance will be monitored and recorded.

These sessions will be replacing traditional lectures or workshops as the class size sadly precludes face to face events for the most part.

### **Etiquette for synchronous online events**

- Please use a headset and microphone to ensure the best possible audio quality.
- Keep your microphone muted when you are not speaking.
- Use the “raise hand” option if you want to speak and wait until you are invited to speak. Use of the “chat” to ask questions is encouraged. The chat is visible to all and subject to University regulations for student conduct. Abusive, derogatory or intimidating language is not tolerated on any of the online platforms, as it is not tolerated anywhere on campus.
- Some people have limited connection speed so are unable to send/receive video. If receiving video is not possible for your connection please alert the teaching staff.
- Because of timezone differences, internet connection limitations or other technical problems we will be recording these synchronous sessions. Recordings will include the video and audio, so if you do not wish for your image/voice to be recorded then use the chat function. These recordings are required for Equality, Diversity and Inclusion purposes and will be made available to all staff and students on the module.

### **Asynchronous online lectures/workshops**

These sessions are pre-recorded and made available to students to watch/listen to at their own time. These will be made available via the module page on My Dundee and may include recorded lectures. It is expected that students follow these in the correct chronological order and within the advised time-frame (i.e. soon after they are released). Remember that the total video/audio contact over the course of the semester will add to many hours and it is strongly advised that you approach it as you would a live lecture. Make notes and revise as you go along - do not wait until the end of the semester to do all your studying, there will not be enough time.

### **Workshops**

There is one workshop in this module. This will be based around the presentation of a research paper that will be assigned to you, and will also provide the basis for the extended essay. Precise details for the workshop will be communicated to you at the beginning of the module. Please ensure that you consult the workshop schedule **in advance** of the session and arrive fully prepared to participate.

## **Lecture notes**

The lectures for this module are available in outline as PDF files, accessible via the Lectures content area of this module. You may find it helpful to download and print these files (3 slides to a page) in advance of attending the lecture so that you can make additional notes on the printout. This is a most effective way to ensure that you understand and retain the lecture material. DO NOT rely on these files as your sole source of information.

## **Intended learning outcomes**

Specific ILO's for the lectures are **NOT** included in the outline Powerpoint files (see below). This is a final year course, and as the lectures are intended to cover the basic information only and to facilitate access to the provided literature/reading list, in essence all the delivered material can be considered essential to understand. Skills for the workshop/presentation will also be discussed during the module.

## **Personal private study**

BS42012 is a 15 credit module which corresponds to 100 hours of student effort. Since there are ~15 hours of contact time (lectures, workshops), this leaves you with roughly 85 hours for preparation, completion of formative and summative assessments and personal private study (which should include study of the relevant sections of your textbooks and any other recommended reading).

## **COMPULSORY CLASSES AND ASSESSED ELEMENTS**

Please note that, for this module, **attendance** at all scheduled classes and **submission** of all coursework exercises listed in the module assessment scheme is **COMPULSORY**.

These correspond to:

1. **ALL WORKSHOPS**
2. **ALL COURSEWORK SUBMISSIONS**

### **Consequences of poor attendance or failure to submit coursework**

More than one unexplained or uncertified absence from any of the compulsory classes and/or non-submission of coursework will result in you being summoned for interview to identify the underlying reason(s).

### **Penalties for late submission of course work**

Any unauthorised late submission may incur penalties of one numerical point per day for up to a maximum of 5 days following the published deadline. Note that Saturday and Sunday will each count as one of these 5 days if they fall in the 5 days following the deadline. For example, if your assignment was submitted 5 days late and was rated as an A5 grade, then this would be downgraded to C2 for late submission.

All submissions which are more than a working week late will be marked for feedback purposes but you will be awarded an AB grade towards the overall module mark for the associated coursework. Non-submission will be graded as AB. The procedure for requesting an extension to a submission deadline is published in the BBSE Study Guide.

### **Coursework extension requests**

Module managers cannot grant extensions so do not ask them for one. If you need an extension contact the programme support (LSUGBIO@dundee.ac.uk or LSUGBMS@dundee.ac.uk) in the first instance, including as much information and evidence as you can to demonstrate why an extension is required, and indicate the expected delay in submission. Further information can be found in the School's Policy on Requests for Late Coursework Submissions in 'Biological and Biomedical Sciences Education Undergraduate Students: Useful Information' on MyDundee.

### **Criteria for passing this module**

In order to pass this module, you must fulfil the following criteria:

- You must achieve a minimum of a D3 grade\* for the overall module which is calculated as a weighted average of all the assessed elements.

\*Note that progression to the next level in your chosen degree programme may require you to achieve a higher grade average than D3 across your core modules. Please see the official degree regulations for your year of entry in the Information for Biological and Biomedical Sciences Education Students module on MyDundee.

Further explanation of the criteria for passing Life Sciences modules and of the regulations governing resit or reassessment in the event of failure can be found in the BBSE Study Guide.

### **Format of the degree examination**

The examination takes the form of a two hour written paper during which you are expected to answer two questions. Full details and past papers will be provided during the module.

## **RECOMMENDED READING**

Core reading can be found at the reading list on Blackboard and will also be distributed during the early part of the module. These will be primarily in the form of research articles and reviews, all of which can be downloaded within the UoD IP network from <http://www.ncbi.nlm.nih.gov/pubmed>. There is no specific text book associated with this module.

## **SCHEDULES FOR WORKSHOPS ETC**

The following section includes the schedules of the workshops, tutorials and study exercises associated with this module.

Please ensure that you read these schedules and complete any pre-class exercises BEFORE attending the class and/or completing any associated worksheet. You should bring the schedule to the class along with any completed worksheets (if required). Electronic copies of the schedule WILL remain available throughout the course.

<b>Assessed Element</b>	<b>N<sup>o</sup></b>	<b>% Weight</b>	<b>Deadline</b>
Degree examination	001	60	To be announced
Review of research paper	002	30	8th April 2021
Presentation	003	10	8th April 2021

Presentations will be the final sessions for the course.

The workshop will comprise of two one hour sessions, to which all students will be expected to attend. Each student will be required to prepare a short presentation in advance.

Topics covered will include some of the following:

- Genetic approaches
- Immune evasion
- Host-parasite interactions
- Biochemistry
- Drug targets
- Drug mode-of-action

Specific papers will be assigned to each student towards the beginning of the module once the class list is finalised.