

## 1. Programme Title(s) and Code(s):

| <i>Programme Title</i> | <i>UCAS Code</i> | <i>GU Code</i> |
|------------------------|------------------|----------------|
| BSc Honours in Zoology | C300             | C300-2105      |

## 2. Academic Session:

2018-19

## 3. SCQF Level (see [Scottish Credit and Qualifications Framework Levels](#)):

10

## 4. Credits:

480

## 5. Entrance Requirements:

Please refer to the current undergraduate prospectus at: <http://www.gla.ac.uk/undergraduate/>

## 6. ATAS Certificate Requirement (see [Academic Technology Approval Scheme](#)):

ATAS Certificate not required

## 7. Attendance Type:

Full Time

## 8. Programme Aims:

Zoology is the scientific study of all aspects of animal life. Zoology is a rapidly-advancing subject which combines old and new approaches to the study of animal diversity. The Honours Programme provides a broadly-based treatment of the principles and problems of whole animal biology and an advanced treatment of particular aspects from the molecular and cellular to the ecosystems level of investigation.

<sup>1</sup> This specification provides a concise summary of the main features of the programme and the learning outcomes that a typical student might reasonably be expected to achieve and demonstrate if full advantage is taken of the learning opportunities that are provided. More detailed information on the learning outcomes, content and teaching, learning and assessment methods of each course can be found in course handbooks and other programme documentation and online at [www.gla.ac.uk/](http://www.gla.ac.uk/)

The accuracy of the information in this document is reviewed periodically by the University and may be checked by the Quality Assurance Agency for Higher Education.

Particular strengths of the Programme are: a) wide experience of fieldwork; b) the opportunity to undertake a research project under the supervision of an active zoological researcher and c) detailed and advanced treatments prepared by active zoological scholars and researchers of 1) animal diversity and its classification 2) experimental design, quantitative analysis and ethical aspects of scientific work 3) evolution and ecology, including practical issues of wildlife conservation and environmental management 4) the mechanisms and evolutionary origins of animal behaviour including consideration of animal welfare issues.

The Principal Aims are:

- To equip students with a basic understanding of Zoology, and a competence in relevant scientific methods
- To stimulate and foster a sense of excitement in Zoology as an approach to understanding living organisms
- To provide advanced knowledge, understanding, scholarship and critical judgement appropriate for professional employment or further study in Zoology or a related discipline
- To develop those advanced transferable, intellectual, interpersonal and practical skills which may be of advantage in a wide range of employment and further study
- To develop in students the flexibility to adapt to change throughout their working lives

## 9. Intended Learning Outcomes of Programme:

The programme provides opportunities for students to develop and demonstrate knowledge and understanding, skills, qualities and other attributes in the following areas:

### Knowledge and Understanding

By the end of this programme students will be able to:

- demonstrate advanced knowledge and understanding of the central facts and concepts of Zoology
- demonstrate knowledge and understanding of four advanced specialist topics in Zoology
- demonstrate an understanding of professional ethics in science and of the principles that can guide ethical decision-making in biological controversies
- demonstrate an advanced understanding of the relevance of zoological knowledge to problems in areas such as environmental management and animal welfare
- demonstrate knowledge of the diversity of life and the methods by which living organisms can be classified
- demonstrate advanced knowledge and understanding of the main investigative methods used in Zoology, both in the laboratory and in the field
- demonstrate their ability to learn advanced topics in Zoology independently

### Skills and Other Attributes

By the end of this programme students will be able to:

#### *Subject-specific/practical skills*

- carry out, under supervision, a major zoological research project and report its findings

#### *Intellectual skills*

- solve advanced problems of a numerical or logical nature in Zoology
- choose and use an appropriate statistical test to analyse and interpret zoological data
- critically analyse research papers in Zoology
- selectively extract information from published sources and use this to present critical reviews of the current state of knowledge in zoological topics

#### *Transferable/key skills*

- use computers to search databases, compose reports for written and oral presentation and analyse data
- give a clear, well-constructed oral presentation on an advanced zoological topic
- work co-operatively in a team to carry out and present the results of zoological research
- demonstrate their ability to manage their time appropriately in order to prioritise tasks and meet deadlines

## 10. Typical Learning and Teaching Approaches:

A range of teaching methods are used during the programme, including:

- Lectures
- Laboratories
- Workshops
- Group projects
- Poster presentations
- Field trips
- Tutorials
- Seminars
- Honours research project

### 11. Typical Assessment Methods:

A number of different methods are used to assess the courses which make up the programme, including:

Written degree examinations (essays, objective testing, short answers and problem-solving)

Class examinations

Laboratory reports

Field course reports

Essays

Honours project report

Poster presentations

Oral presentations

Peer review of group work

### 12. Programme Structure and Features:

The BSc Honours programme normally lasts 4 years, comprises both compulsory and optional courses, and comprises 480 credits (120 credits each year).

#### Structure

| Course Title                            | Course Code          | Credits | Core | Optional | Semester(s) taught |
|---|----------------------|---------|------|----------|--------------------|
| <b>Year 1:</b>                          |                      |         |      |          |                    |
| Biology-1A                              | BIOL1001             | 20      | ✓    |          | Sem 1              |
| Biology-1B                              | BIOL1002             | 20      | ✓    |          | Sem 2              |
| <b>EITHER</b> Chemistry-1               | CHEM1001             | 40      | ✓    |          | Sem 1–2            |
| <b>OR</b> Science Fundamentals-1X & -1Y | CHEM1002<br>CHEM1003 | 2 x 20  |      |          | Sem 1–2            |
| <i>other Level-1 course(s)</i>          |                      | 40      |      | ✓        |                    |
| <b>Year 2:</b>                          |                      |         |      |          |                    |
| Fundamental Topics in Biology 2         | BIOL2039             | 30      | ✓    |          | Sem 1              |
| Animal Biology, Evolution and Ecology 2 | BIOL2041             | 30      | ✓    |          | Sem 2              |
| Key Skills in Biology 2                 | BIOL2040             | 30      |      | ✓        | Sem 1              |
| <i>other Level-1 or -2 course(s)</i>    |                      | 30      |      | ✓        |                    |
| <b>Year 3 (Honours):</b>                |                      |         |      |          |                    |
| Zoology 3A                              | BIOL4137             | 60      | ✓    |          | Sem 1              |
| Zoology 3B                              | BIOL4138             | 60      | ✓    |          | Sem 2              |
| <b>Year 4 (Honours final year):</b>     |                      |         |      |          |                    |
| Zoology Advanced Studies                | BIOL4135             | 20      | ✓    |          | Sem 1–2            |
| <i>One of these project courses:</i>    |                      | 20      | ✓    |          | Sem 1–2            |

|   |           |        |  |   |  |
|---|-----------|--------|--|---|--|
| Life Sciences Investigative Honours Project | BIOL4246P |        |  |   |  |
| Life Sciences Dissertation Honours Project  | BIOL4247P |        |  |   |  |
| Life Sciences Outreach Honours Project      | BIOL4248P |        |  |   |  |
| Life Sciences Internship Honours Project    | BIOL4249P |        |  |   |  |
| 4 x Life Sciences Honours options           |           | 4 x 20 |  | ✓ |  |

### Life Sciences Honours Options:

The programme will prescribe a mixture of compulsory, recommended and/or suitable Honours options courses. In addition, the list of available Honours option courses is liable to change each session. The options available in the current session can be found via the University's Course Catalogue ([www.gla.ac.uk/coursecatalogue/](http://www.gla.ac.uk/coursecatalogue/)).

### Features:

Students may apply to study abroad during either Year 2 or Year 3; this is subject to approval by the School of Life Sciences.

Years 1 and 2 may be available for part-time study. Years 3 and 4 are normally only available on a full-time basis.

### Regulations:

This programme will be governed by the relevant regulations published in the University Calendar. These regulations include the requirements in relation to:

- (a) Award of the degree
- (b) Progress
- (c) Early exit awards
- (d) (For undergraduate programmes, where appropriate) Entry to Honours

[www.gla.ac.uk/services/senateoffice/policies/calendar/](http://www.gla.ac.uk/services/senateoffice/policies/calendar/)

### 13. Programme Accredited By:

Not applicable

### 14. Location(s):

Glasgow

### 15. College:

College of Medical Veterinary and Life Sciences

### 16. Lead School/Institute:

Life Sciences [REG20100000]

### 17. Is this programme collaborative with another institution:

No

### 18. Awarding Institution(s):

University of Glasgow

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**19. Teaching Institution(s):**

University of Glasgow

**20. Language of Instruction:**

English

**21. Language of Assessment:**

English

**22. Relevant QAA Subject Benchmark Statements (see [Quality Assurance Agency for Higher Education](http://www.qaa.ac.uk/academicinfrastructure/benchmark/honours/biosciences.asp)) and Other External or Internal Reference Points:**

See QAA Benchmark Statement for Biosciences:

<http://www.qaa.ac.uk/academicinfrastructure/benchmark/honours/biosciences.asp>

**23. Additional Relevant Information (if applicable):**

Support for students is provided by the Postgraduate/Undergraduate Adviser(s) of Studies supported by University resources such as LEADS ([www.gla.ac.uk/myglasgow/leads/](http://www.gla.ac.uk/myglasgow/leads/)), Counselling & Psychological Services ([www.gla.ac.uk/services/counselling/](http://www.gla.ac.uk/services/counselling/)), the Disability Service ([www.gla.ac.uk/services/studentdisability/](http://www.gla.ac.uk/services/studentdisability/)) and the Careers Service ([www.gla.ac.uk/services/careers/](http://www.gla.ac.uk/services/careers/)).

**24. Online Learning:**

No

**25. Date of approval:**

24/11/2017