BIOL1320
Biological Basis of Behaviour
Session 2, Attendance for exam only, North Ryde 2021
Department of Biological Sciences

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Macquarie University has taken all reasonable measures to ensure the information in this publication is accurate and up-to-date. However, the information may change or become out-dated as a result of change in University policies, procedures or rules. The University reserves the right to make changes to any information in this publication without notice. Users of this publication are advised to check the website version of this publication [or the relevant faculty or department] before acting on any information in this publication.

Session 2 Learning and Teaching Update
The decision has been made to conduct study online for the remainder of Session 2 for all units WITHOUT mandatory on-campus learning activities. Exams for Session 2 will also be online where possible to do so.

This is due to the extension of the lockdown orders and to provide certainty around arrangements for the remainder of Session 2. We hope to return to campus beyond Session 2 as soon as it is safe and appropriate to do so.

Some classes/teaching activities cannot be moved online and must be taught on campus. You should already know if you are in one of these classes/teaching activities and your unit convenor will provide you with more information via iLearn. If you want to confirm, see the list of units with mandatory on-campus classes/teaching activities.

Visit the MQ COVID-19 information page for more detail.
General Information

Unit convenor and teaching staff
Martin Whiting
martin.whiting@mq.edu.au
Contact via BIOL1320@mq.edu.au

Credit points
10

Prerequisites

Corequisites

Co-badged status

Unit description
BIOL1320 is a suitable introductory science course of interest for all students, designed for the ‘free’ zone. Canvasing a range of topics relevant to today's society in a manner accessible to all students, this journey teaches students the skills to communicate to a general audience. In contents, it offers an integrative approach to the amazing world of behaviour. Basic mechanisms are covered, together with function and evolution. Lecture topics include explanations of behaviour, evolution, evolutionary origins of behaviour, basic neuroscience, perception, learning, brain and behaviour, and topics in animal behaviour. Lectures culminate with some reflections on the lives of humans in our modern world and the role of culture in human evolution.

Important Academic Dates
Information about important academic dates including deadlines for withdrawing from units are available at https://students.mq.edu.au/important-dates

Learning Outcomes
On successful completion of this unit, you will be able to:

ULO1: Describe the basic functioning of the nervous system in animals, including the senses
ULO2: Explain the principles of evolution by natural selection and sexual selection
ULO3: Demonstrate an understanding of basic concepts and principles in genetics, epigenetics, perception, learning, human evolution, explanations in animal behaviour, and the topics on the nature of science, ethics, study skills, animal behaviour and on
evolution and human behaviour presented in the unit

**ULO4:** Apply knowledge and skills to collect, analyse, and interpret scientific data including those presented in graphic form

**ULO5:** Extract key points from scientific papers and other forms of presentation and accurately communicate these to a general audience

**ULO6:** Comment critically on scientific papers and other forms of presentation with regard to life on our planet today

### Assessment Tasks

<table>
<thead>
<tr>
<th>Name</th>
<th>Weighting</th>
<th>Hurdle</th>
<th>Due</th>
</tr>
</thead>
<tbody>
<tr>
<td>quizzes in textbook</td>
<td>28%</td>
<td>Yes</td>
<td>8 quizzes: 9,16,30 Aug, 6,27 Sept, 4,18 Oct, 7 Nov</td>
</tr>
<tr>
<td>Participation in pracs</td>
<td>4%</td>
<td>No</td>
<td>No due date</td>
</tr>
<tr>
<td>Essay</td>
<td>30%</td>
<td>No</td>
<td>18/10/2021</td>
</tr>
<tr>
<td>Major lab quiz</td>
<td>3%</td>
<td>No</td>
<td>25/10/2021</td>
</tr>
<tr>
<td>final examination</td>
<td>35%</td>
<td>No</td>
<td>Begins week 13</td>
</tr>
</tbody>
</table>

**quizzes in textbook**

Assessment Type 1: Quiz/Test
Indicative Time on Task 2: 24 hours
Due: 8 quizzes: 9,16,30 Aug, 6,27 Sept, 4,18 Oct, 7 Nov
Weighting: 28%

This is a hurdle assessment task (see [assessment policy](https://unitguides.mq.edu.au/unit_offerings/141301/unit_guide/print) for more information on hurdle assessment tasks)

On successful completion you will be able to:

- Describe the basic functioning of the nervous system in animals, including the senses
- Explain the principles of evolution by natural selection and sexual selection
- Demonstrate an understanding of basic concepts and principles in genetics, epigenetics, perception, learning, human evolution, explanations in animal behaviour, and the topics
on the nature of science, ethics, study skills, animal behaviour and on evolution and human behaviour presented in the unit

**Participation in pracs**

Assessment Type ¹: Participatory task  
Indicative Time on Task ²: 1 hours  
Due: **No due date**  
Weighting: 4%

Submitting certain tasks in pracs, tasks that are not graded for quality, that is, assessed as done (gaining all allotted marks) or not done (no allotted marks at all).

On successful completion you will be able to:

- Describe the basic functioning of the nervous system in animals, including the senses
- Explain the principles of evolution by natural selection and sexual selection
- Demonstrate an understanding of basic concepts and principles in genetics, epigenetics, perception, learning, human evolution, explanations in animal behaviour, and the topics on the nature of science, ethics, study skills, animal behaviour and on evolution and human behaviour presented in the unit
- Apply knowledge and skills to collect, analyse, and interpret scientific data including those presented in graphic form
- Extract key points from scientific papers and other forms of presentation and accurately communicate these to a general audience
- Comment critically on scientific papers and other forms of presentation with regard to life on our planet today

**Essay**

Assessment Type ¹: Essay  
Indicative Time on Task ²: 30 hours  
Due: **18/10/2021**  
Weighting: 30%

Commentary summarising a scientific article and topic, including incorporating other sources of primary literature.
On successful completion you will be able to:
  • Apply knowledge and skills to collect, analyse, and interpret scientific data including those presented in graphic form
  • Extract key points from scientific papers and other forms of presentation and accurately communicate these to a general audience
  • Comment critically on scientific papers and other forms of presentation with regard to life on our planet today

Major lab quiz
Assessment Type 1: Quiz/Test
Indicative Time on Task 2: 5 hours
Due: 25/10/2021
Weighting: 3%

quiz in iLearn on reading information from graphs in scientific articles

On successful completion you will be able to:
  • Apply knowledge and skills to collect, analyse, and interpret scientific data including those presented in graphic form

final examination
Assessment Type 1: Examination
Indicative Time on Task 2: 30 hours
Due: Begins week 13
Weighting: 35%

examination in the final exam period

On successful completion you will be able to:
  • Describe the basic functioning of the nervous system in animals, including the senses
  • Explain the principles of evolution by natural selection and sexual selection
  • Demonstrate an understanding of basic concepts and principles in genetics, epigenetics, perception, learning, human evolution, explanations in animal behaviour, and the topics on the nature of science, ethics, study skills, animal behaviour and on evolution and human behaviour presented in the unit
If you need help with your assignment, please contact:

- the academic teaching staff in your unit for guidance in understanding or completing this type of assessment
- the Learning Skills Unit for academic skills support.

Indicative time-on-task is an estimate of the time required for completion of the assessment task and is subject to individual variation

**Delivery and Resources**

Lectures online, pracs online but optional in-person. See iLearn for details and details on the course book (an eBook).

**Policies and Procedures**

Macquarie University policies and procedures are accessible from [Policy Central](https://staff.mq.edu.au/work/strategy-planning-and-governance/university-policies-and-procedures/policy-central). Students should be aware of the following policies in particular with regard to Learning and Teaching:

- Academic Appeals Policy
- Academic Integrity Policy
- Academic Progression Policy
- Assessment Policy
- Fitness to Practice Procedure
- Grade Appeal Policy
- Complaint Management Procedure for Students and Members of the Public
- Special Consideration Policy *(Note: The Special Consideration Policy is effective from 4 December 2017 and replaces the Disruption to Studies Policy.)*

Students seeking more policy resources can visit the [Student Policy Gateway](https://students.mq.edu.au/support/study/student-policy-gateway). It is your one-stop-shop for the key policies you need to know about throughout your undergraduate student journey.

If you would like to see all the policies relevant to Learning and Teaching visit [Policy Central](http://staff.mq.edu.au/work/strategy-planning-and-governance/university-policies-and-procedures/policy-central).

**Student Code of Conduct**

Macquarie University students have a responsibility to be familiar with the Student Code of Conduct: [https://students.mq.edu.au/admin/other-resources/student-conduct](https://students.mq.edu.au/admin/other-resources/student-conduct)
Results

Results published on platform other than eStudent, (eg. iLearn, Coursera etc.) or released directly by your Unit Convenor, are not confirmed as they are subject to final approval by the University. Once approved, final results will be sent to your student email address and will be made available in eStudent. For more information visit ask.mq.edu.au or if you are a Global MBA student contact globalmba.support@mq.edu.au

Student Support

Macquarie University provides a range of support services for students. For details, visit http://students.mq.edu.au/support/

Learning Skills

Learning Skills (mq.edu.au/learningskills) provides academic writing resources and study strategies to help you improve your marks and take control of your study.

• Getting help with your assignment
• Workshops
• StudyWise
• Academic Integrity Module

The Library provides online and face to face support to help you find and use relevant information resources.

• Subject and Research Guides
• Ask a Librarian

Student Enquiry Service

For all student enquiries, visit Student Connect at ask.mq.edu.au

If you are a Global MBA student contact globalmba.support@mq.edu.au

Equity Support

Students with a disability are encouraged to contact the Disability Service who can provide appropriate help with any issues that arise during their studies.

IT Help

For help with University computer systems and technology, visit http://www.mq.edu.au/about_us/offices_and_units/information_technology/help/.

When using the University's IT, you must adhere to the Acceptable Use of IT Resources Policy. The policy applies to all who connect to the MQ network including students.
## Changes since First Published

<table>
<thead>
<tr>
<th>Date</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>12/08/2021</td>
<td>Added <a href="mailto:BIOL1320@mq.edu.au">BIOL1320@mq.edu.au</a> as a contact address for this unit, as directed by Sharyon O'Donnell.</td>
</tr>
</tbody>
</table>