



# BIOH11006 *Advanced Anatomy and Physiology*

## Term 2 - 2019

Profile information current as at 14/12/2025 04:08 pm

All details in this unit profile for BIOH11006 have been officially approved by CQUniversity and represent a learning partnership between the University and you (our student). The information will not be changed unless absolutely necessary and any change will be clearly indicated by an approved correction included in the profile.

### General Information

#### Overview

On successful completion, students will have a detailed understanding of the normal functioning of the human body. Students will be able to describe the structure and function of the major organ systems of the human body, including the nervous, circulatory, digestive, respiratory, renal, endocrine, immune and reproductive systems. Students will be able to explain the role of regulatory and feedback control systems in maintaining body functions within effective operational limits.

#### Details

Career Level: *Undergraduate*

Unit Level: *Level 1*

Credit Points: 6

Student Contribution Band: 8

Fraction of Full-Time Student Load: 0.125

#### Pre-requisites or Co-requisites

Pre-requisites: BIOH11005 Introductory Anatomy and Physiology.

Important note: Students enrolled in a subsequent unit who failed their pre-requisite unit, should drop the subsequent unit before the census date or within 10 working days of Fail grade notification. Students who do not drop the unit in this timeframe cannot later drop the unit without academic and financial liability. See details in the [Assessment Policy and Procedure \(Higher Education Coursework\)](#).

#### Offerings For Term 2 - 2019

- Online
- Rockhampton

#### Attendance Requirements

All on-campus students are expected to attend scheduled classes – in some units, these classes are identified as a mandatory (pass/fail) component and attendance is compulsory. International students, on a student visa, must maintain a full time study load and meet both attendance and academic progress requirements in each study period (satisfactory attendance for International students is defined as maintaining at least an 80% attendance record).

#### Website

[This unit has a website, within the Moodle system, which is available two weeks before the start of term. It is important that you visit your Moodle site throughout the term. Please visit Moodle for more information.](#)

## Class and Assessment Overview

### Recommended Student Time Commitment

Each 6-credit Undergraduate unit at CQUniversity requires an overall time commitment of an average of 12.5 hours of study per week, making a total of 150 hours for the unit.

### Class Timetable

#### [Regional Campuses](#)

Bundaberg, Cairns, Emerald, Gladstone, Mackay, Rockhampton, Townsville

#### [Metropolitan Campuses](#)

Adelaide, Brisbane, Melbourne, Perth, Sydney

### Assessment Overview

#### 1. **Online Quiz(zes)**

Weighting: 50%

#### 2. **Examination**

Weighting: 50%

### Assessment Grading

This is a graded unit: your overall grade will be calculated from the marks or grades for each assessment task, based on the relative weightings shown in the table above. You must obtain an overall mark for the unit of at least 50%, or an overall grade of 'pass' in order to pass the unit. If any 'pass/fail' tasks are shown in the table above they must also be completed successfully ('pass' grade). You must also meet any minimum mark requirements specified for a particular assessment task, as detailed in the 'assessment task' section (note that in some instances, the minimum mark for a task may be greater than 50%). Consult the [University's Grades and Results Policy](#) for more details of interim results and final grades.

## CQUniversity Policies

**All University policies are available on the [CQUniversity Policy site](#).**

You may wish to view these policies:

- Grades and Results Policy
- Assessment Policy and Procedure (Higher Education Coursework)
- Review of Grade Procedure
- Student Academic Integrity Policy and Procedure
- Monitoring Academic Progress (MAP) Policy and Procedure – Domestic Students
- Monitoring Academic Progress (MAP) Policy and Procedure – International Students
- Student Refund and Credit Balance Policy and Procedure
- Student Feedback – Compliments and Complaints Policy and Procedure
- Information and Communications Technology Acceptable Use Policy and Procedure

This list is not an exhaustive list of all University policies. The full list of University policies are available on the [CQUniversity Policy site](#).

## Previous Student Feedback

### Feedback, Recommendations and Responses

Every unit is reviewed for enhancement each year. At the most recent review, the following staff and student feedback items were identified and recommendations were made.

#### Feedback from Have your say feedback/Self reflection

**Feedback**

Study guides should be updated to increase alignment with weekly learning outcomes

**Recommendation**

Study guides will be updated to more effectively align with the lectures and learning outcomes for that week.

#### Feedback from Have your say feedback

**Feedback**

Many students required additional guidance in managing the volume of learning required.

**Recommendation**

Revision materials and tutorials will be scaffolded to provide a logical path for week to week revision.

#### Feedback from Have your say feedback

**Feedback**

Provide additional resources to for visual learners.

**Recommendation**

Additional resources including video presentations and animations of topics relevant to the content have been provided on Moodle.

#### Feedback from Have your say feedback & direct contact with students

**Feedback**

Enhance clinical nursing focus.

**Recommendation**

A team teaching approach with the Nursing discipline will be implemented to provide context and practical relevance to the students.

## Unit Learning Outcomes

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

1. Describe the detailed anatomy and normal functioning of the major physiological systems of the human body.
2. Discuss the concepts and processes of homeostatic regulation and feedback within the human body.
3. Explain the neuronal and hormonal control mechanisms of human body systems.
4. Describe the interplay of factors involved in normal system function and how these are usually kept within effective operational limits.

## Alignment of Learning Outcomes, Assessment and Graduate Attributes



### Alignment of Assessment Tasks to Learning Outcomes

Assessment Tasks	Learning Outcomes			
	1	2	3	4
1 - Online Quiz(zes) - 50%	•		•	•
2 - Examination - 50%	•	•	•	•

## Alignment of Graduate Attributes to Learning Outcomes

Graduate Attributes	Learning Outcomes			
	1	2	3	4
1 - Communication	•	•	•	•
2 - Problem Solving	•	•	•	•
3 - Critical Thinking				
4 - Information Literacy				
5 - Team Work				
6 - Information Technology Competence	•	•	•	•
7 - Cross Cultural Competence				
8 - Ethical practice				
9 - Social Innovation				
10 - Aboriginal and Torres Strait Islander Cultures				

## Alignment of Assessment Tasks to Graduate Attributes

Assessment Tasks	Graduate Attributes									
	1	2	3	4	5	6	7	8	9	10
1 - Online Quiz(zes) - 50%		•								
2 - Examination - 50%	•	•	•							

## Textbooks and Resources

### Textbooks

BIOH11006

#### Prescribed

#### Essentials of Human Anatomy & Physiology

Edition: 12th (2018)

Authors: Elaine N. Marieb & Suzanne M. Keller

Pearson Education Limited

Essex, England

ISBN: 1292216115

Binding: Paperback

[View textbooks at the CQUniversity Bookshop](#)

### IT Resources

**You will need access to the following IT resources:**

- CQUniversity Student Email
- Internet
- Unit Website (Moodle)

## Referencing Style

All submissions for this unit must use the referencing style: [American Psychological Association 6th Edition \(APA 6th edition\)](#)

For further information, see the Assessment Tasks.

## Teaching Contacts

**Roslyn Clapperton** Unit Coordinator

[r.clapperton@cqu.edu.au](mailto:r.clapperton@cqu.edu.au)

**William Deasy** Unit Coordinator

[w.deasy@cqu.edu.au](mailto:w.deasy@cqu.edu.au)

## Schedule

### Week 1 - 15 Jul 2019

Module/Topic	Chapter	Events and Submissions/Topic
The Blood The Immune system and body defenses	Chapter 10 Pages 366-379 Chapter 12 Pages 429-448	ALL Progress Quizzes open on Week 1, Monday, 09:00 AEST and close on Review/Exam Week, Monday, 17:00 AEST.

### Week 2 - 22 Jul 2019

Module/Topic	Chapter	Events and Submissions/Topic
The Cardiovascular System - The Heart and Blood Vessels	Chapter 11 Pages 390-396, 406-418	None

### Week 3 - 29 Jul 2019

Module/Topic	Chapter	Events and Submissions/Topic
The Endocrine System	Chapter 9 Pages 334-357	None

### Week 4 - 05 Aug 2019

Module/Topic	Chapter	Events and Submissions/Topic
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Metabolism and Energy	Chapter 14 Pages 516-526	None
<b>Week 5 - 12 Aug 2019</b>		
<b>Module/Topic</b>	<b>Chapter</b>	<b>Events and Submissions/Topic</b>
The Muscular System: Muscle Physiology	Chapter 6 Pages 211-222	None
<b>Vacation Week - 19 Aug 2019</b>		
<b>Module/Topic</b>	<b>Chapter</b>	<b>Events and Submissions/Topic</b>
None	None	None
<b>Week 6 - 26 Aug 2019</b>		
<b>Module/Topic</b>	<b>Chapter</b>	<b>Events and Submissions/Topic</b>
The Nervous System: Peripheral Nervous System	Chapter 7 Pages 260-265, 281-299	None
<b>Week 7 - 02 Sep 2019</b>		
<b>Module/Topic</b>	<b>Chapter</b>	<b>Events and Submissions/Topic</b>
The Nervous System: Central Nervous System	Chapter 7 Pages 265-281	None
<b>Week 8 - 09 Sep 2019</b>		
<b>Module/Topic</b>	<b>Chapter</b>	<b>Events and Submissions/Topic</b>
The Nervous System: General Senses & Special Senses	Chapter 7 Pages 258-259 Chapter 8 Pages 304-329	None
<b>Week 9 - 16 Sep 2019</b>		
<b>Module/Topic</b>	<b>Chapter</b>	<b>Events and Submissions/Topic</b>
The Respiratory System The Urinary System	Chapter 13 Pages 471-485 Chapter 15 Pages 542-557	None
<b>Week 10 - 23 Sep 2019</b>		
<b>Module/Topic</b>	<b>Chapter</b>	<b>Events and Submissions/Topic</b>
Homeostasis and pH regulation	See the Moodle site for assigned reading	None
<b>Week 11 - 30 Sep 2019</b>		
<b>Module/Topic</b>	<b>Chapter</b>	<b>Events and Submissions/Topic</b>
The Reproductive System	Chapter 16 Pages 569-573, 577-583, 593-598	None
<b>Week 12 - 07 Oct 2019</b>		
<b>Module/Topic</b>	<b>Chapter</b>	<b>Events and Submissions/Topic</b>
DNA and Genetics	See the Moodle site for assigned reading	None
<b>Review/Exam Week - 14 Oct 2019</b>		
<b>Module/Topic</b>	<b>Chapter</b>	<b>Events and Submissions/Topic</b>
None	None	<b>Online Quizzes</b> Due: Review/Exam Week Monday (14 Oct 2019) 5:00 pm AEST

## Term Specific Information

The Unit Coordinator is Ms Roslyn Clapperton (r.clapperton@cqu.edu.au) whom is a physiologist in the final stages of her PhD.

The lectures of Week 1, 2, 4, 5, 9 and 10 are pre-recorded lectures of Mr. William Deasy. Mr. Deasy is a microbiologist and he is in the final stages of completing a PhD in Medical Physiology.

The lectures of Week 3, 6, 7, 8, 11 and 12 are pre-recorded lectures of Dr. Romeo Batacan. Dr. Batacan is a medical doctor (MD) who later completed a PhD in Biomedical Science.

The live tutorials are delivered by both Jodie Gibbs (a nurse for the Flying Doctors) and Ms Roslyn Clapperton.

The forums on the Moodle site are checked by Ms Roslyn Clapperton.

## Assessment Tasks

### 1 Online Quizzes

#### Assessment Type

Online Quiz(zes)

#### Task Description

An understanding of human anatomy and physiology is essential in many health professions. The fundamentals of this knowledge must be learnt and understood. The knowledge and concepts taught in this unit have been identified by various health professions as relevant to your future scope of practice. Completion of progress quizzes will assess your understanding of these concepts and knowledge.

1. There will be four separate progress quizzes to assess your knowledge of the unit material.
2. Each progress quiz will have 30 questions.
3. Each progress quiz will open on Week 1 Monday at 09:00 and will close on Exam/Revision Week Tuesday (14/10/19) 17:00 (AEST)
4. You will be allowed three attempts at each quiz. It is not compulsory to attempt the quiz three times. The attempt where you achieved the highest grade will serve as your final score for that quiz.
5. There is a 24-hour time restriction between attempts.
6. Your score from each progress quiz will contribute 12.5% to your final grade (4 quizzes X 12.5% = 50%).
7. In the absence of an approved extension, there will be no opportunity to complete the quiz after the due date.

Quiz Number	Topics Examined	Time/date the quiz opens	Time/date the quiz closes
1	Week 1, 2, 3	Week 1 Monday 9:00am (AEST)	Exam/Revision Week Monday (14/10/19) 5:00pm (AEST)
2	Week 4, 5, 6	Week 1 Monday 9:00am (AEST)	Exam/Revision Week Monday (14/10/19) 5:00pm (AEST)
3	Week 7, 8, 9	Week 1 Monday 9:00am (AEST)	Exam/Revision Week Monday (14/10/19) 5:00pm (AEST)
4	Week 10, 11, 12	Week 1 Monday 9:00am (AEST)	Exam/Revision Week Monday (14/10/19) 5:00pm (AEST)

#### Number of Quizzes

4

#### Frequency of Quizzes

Other

#### Assessment Due Date

Review/Exam Week Monday (14 Oct 2019) 5:00 pm AEST

Each progress quiz will open on Week 1 Monday at 09:00am and will close on Exam/Revision Week Monday (14/10/19) 5:00pm (AEST)

#### Return Date to Students

Review/Exam Week Monday (14 Oct 2019)

Feedback will be provided automatically upon completion of quizzes

**Weighting**

50%

**Minimum mark or grade**

50%

**Assessment Criteria**

Questions will be automatically marked correct or incorrect. The maximum score (120) that can be accumulated from the four online quizzes equals 50% of the total marks.

**Referencing Style**

- [American Psychological Association 6th Edition \(APA 6th edition\)](#)

**Submission**

No submission method provided.

**Learning Outcomes Assessed**

- Describe the detailed anatomy and normal functioning of the major physiological systems of the human body.
- Explain the neuronal and hormonal control mechanisms of human body systems.
- Describe the interplay of factors involved in normal system function and how these are usually kept within effective operational limits.

**Graduate Attributes**

- Problem Solving

## Examination

**Outline**

Complete an invigilated examination.

**Date**

During the examination period at a CQUniversity examination centre.

**Weighting**

50%

**Length**

180 minutes

**Minimum mark or grade**

50%

**Exam Conditions**

Closed Book.

**Materials**

Dictionary - non-electronic, concise, direct translation only (dictionary must not contain any notes or comments).



## Academic Integrity Statement

As a CQUniversity student you are expected to act honestly in all aspects of your academic work.

Any assessable work undertaken or submitted for review or assessment must be your own work. Assessable work is any type of work you do to meet the assessment requirements in the unit, including draft work submitted for review and feedback and final work to be assessed.

When you use the ideas, words or data of others in your assessment, you must thoroughly and clearly acknowledge the source of this information by using the correct referencing style for your unit. Using others' work without proper acknowledgement may be considered a form of intellectual dishonesty.

Participating honestly, respectfully, responsibly, and fairly in your university study ensures the CQUniversity qualification you earn will be valued as a true indication of your individual academic achievement and will continue to receive the respect and recognition it deserves.

As a student, you are responsible for reading and following CQUniversity's policies, including the [Student Academic Integrity Policy and Procedure](#). This policy sets out CQUniversity's expectations of you to act with integrity, examples of academic integrity breaches to avoid, the processes used to address alleged breaches of academic integrity, and potential penalties.

### What is a breach of academic integrity?

A breach of academic integrity includes but is not limited to plagiarism, self-plagiarism, collusion, cheating, contract cheating, and academic misconduct. The Student Academic Integrity Policy and Procedure defines what these terms mean and gives examples.

### Why is academic integrity important?

A breach of academic integrity may result in one or more penalties, including suspension or even expulsion from the University. It can also have negative implications for student visas and future enrolment at CQUniversity or elsewhere. Students who engage in contract cheating also risk being blackmailed by contract cheating services.

### Where can I get assistance?

For academic advice and guidance, the [Academic Learning Centre \(ALC\)](#) can support you in becoming confident in completing assessments with integrity and of high standard.

### What can you do to act with integrity?



#### Be Honest

If your assessment task is done by someone else, it would be dishonest of you to claim it as your own



#### Seek Help

If you are not sure about how to cite or reference in essays, reports etc, then seek help from your lecturer, the library or the Academic Learning Centre (ALC)



#### Produce Original Work

Originality comes from your ability to read widely, think critically, and apply your gained knowledge to address a question or problem