



BIOH11006 *Advanced Anatomy and Physiology*

Term 1 - 2020

Profile information current as at 20/04/2024 02:15 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.

Corrections

Unit Profile Correction added on 30-03-20

The end of term examination has now been changed to an alternate form of assessment. Please see your Moodle site for details of the assessment.

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 1 - 2020

- 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

 N/A Level Introductory Level Intermediate Level Graduate Level Professional Level Advanced Level

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: 12 (2018)

Authors: Elaine N. Marieb and Suzanne M. Keller

Pearson

ISBN: 9781292216119

Binding: Paperback

Additional Textbook Information

Copies can be purchased at the CQUni Bookshop here: <http://bookshop.cqu.edu.au> (search on the Unit code)

[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

Schedule

Week 1 - 09 Mar 2020

| Module/Topic | Chapter | Events and Submissions/Topic |
|-----------------------|---------------------------|--|
| Metabolism and Energy | Chapter 14: pages 516-527 | ALL Progress Quizzes open Week 1 Monday 09.00 AEST and close the Revision/Exam Week. |

Week 2 - 16 Mar 2020

| Module/Topic | Chapter | Events and Submissions/Topic |
|-------------------|--------------------------|------------------------------|
| Muscle Physiology | Chapter 6: pages 211-222 | None |

Week 3 - 23 Mar 2020

| Module/Topic | Chapter | Events and Submissions/Topic |
|---------------------------|-----------------------------------|------------------------------|
| Peripheral Nervous System | Chapter 7: pages 260-265; 281-294 | None |

Week 4 - 30 Mar 2020

| Module/Topic | Chapter | Events and Submissions/Topic |
|------------------------|--------------------------|------------------------------|
| Central Nervous System | Chapter 7: pages 265-281 | None |

| Week 5 - 06 Apr 2020 | | |
|---------------------------------------|--|--|
| Module/Topic | Chapter | Events and Submissions/Topic |
| Special Senses | Chapter 8: pages 304-329 | None |
| Vacation Week - 13 Apr 2020 | | |
| Module/Topic | Chapter | Events and Submissions/Topic |
| None | None | None |
| Week 6 - 20 Apr 2020 | | |
| Module/Topic | Chapter | Events and Submissions/Topic |
| Endocrine System and Blood | Chapter 9: pages 334-352 Chapter 10: pages 366-379 | None |
| Week 7 - 27 Apr 2020 | | |
| Module/Topic | Chapter | Events and Submissions/Topic |
| Immune System | Chapter 12: pages 429-450 | None |
| Week 8 - 04 May 2020 | | |
| Module/Topic | Chapter | Events and Submissions/Topic |
| Cardiovascular System | Chapter 11: pages 390-396; 406-416 | None |
| Week 9 - 11 May 2020 | | |
| Module/Topic | Chapter | Events and Submissions/Topic |
| Respiratory and Urinary System | Chapter 13: pages 471-485 Chapter 15: pages 542-545 | None |
| Week 10 - 18 May 2020 | | |
| Module/Topic | Chapter | Events and Submissions/Topic |
| Fluid and pH Homeostasis | See the Moodle site for assigned reading | None |
| Week 11 - 25 May 2020 | | |
| Module/Topic | Chapter | Events and Submissions/Topic |
| DNA and Genetics | See the Moodle site for assigned reading | None |
| Week 12 - 01 Jun 2020 | | |
| Module/Topic | Chapter | Events and Submissions/Topic |
| Reproductive System | Chapter 16: pages 569-573; 577-583 | None |
| Review/Exam Week - 08 Jun 2020 | | |
| Module/Topic | Chapter | Events and Submissions/Topic |
| None | None | Online Quizzes Due: Review/Exam Week Tuesday (9 June 2020) 5:00 pm AEST |
| Exam Week - 15 Jun 2020 | | |
| Module/Topic | Chapter | Events and Submissions/Topic |
| None | None | None |

Term Specific Information

The Unit Coordinator is Ms Roslyn Clapperton (r.clapperton@cqu.edu.au), who is an exercise physiologist in the final stages of a Doctor of Philosophy.

The lectures of Weeks 1, 2, 6, 7, 8, 9, and 10 are pre-recorded lectures of Mr William Deasy, who is a microbiologist in the final stages of a Doctor of Philosophy.

The lectures of Weeks 3, 4, 5, 6, 11 and 12 are pre-recorded lectures of Ms Roslyn Clapperton.

Additional material is provided by Dr Romeo Batacan, who is a medical doctor and has completed a Doctor of Philosophy.

The live tutorials are delivered by both Ms Roslyn Clapperton and Mrs Jodie Gibbs, who is a nurse and midwife with the Royal Flying Doctors Service.

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 (AEST) and will close on Exam/Revision Week Tuesday (09 June 2020) at 17:00 (AEST)
4. You will be allowed three attempts at each quiz. The attempt where you achieved the highest grade will serve as your final score for that quiz.
5. Your score from each progress quiz will contribute 12.5% to your final grade (4 quizzes X 12.5%= 50%).
6. 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 Tuesday (09/06/20) 5:00pm (AEST) |
| 2 | Week 4, 5, 6 | Week 1 Monday 9:00am (AEST) | Exam/Revision Week Tuesday (09/06/20) 5:00pm (AEST) |
| 3 | Week 7, 8, 9 | Week 1 Monday 9:00am (AEST) | Exam/Revision Week Tuesday (09/06/20) 5:00pm (AEST) |
| 4 | Week 10, 11, 12 | Week 1 Monday 9:00am (AEST) | Exam/Revision Week Tuesday (09/06/20) 5:00pm (AEST) |

Number of Quizzes

4

Frequency of Quizzes

Other

Assessment Due Date

Review/Exam Week Tuesday (9 June 2020) 5:00 pm AEST

Return Date to Students

Review/Exam Week Tuesday (9 June 2020)

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

Online

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