



BMSC11010 Human Anatomy and Physiology 1

Term 1 - 2023

Profile information current as at 24/04/2024 09:30 pm

All details in this unit profile for BMSC11010 have been officially approved by CQU University 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

Upon successful completion of this unit, you will be able to describe the structural levels of organisation within the body, use anatomical terminology to describe the relative location of structures in the body, and explain the role and general features of homeostasis in the body. You will also gain an understanding of the anatomy and physiology of the integumentary, skeletal, muscular, nervous, endocrine, cardiovascular, lymphatic and immune, respiratory, digestive, urinary, and reproductive human body systems. Your knowledge and skills will be developed through a series of coursework exercises.

Details

Career Level: *Undergraduate*

Unit Level: *Level 1*

Credit Points: 6

Student Contribution Band: 9

Fraction of Full-Time Student Load: 0.125

Pre-requisites or Co-requisites

There are no requisites for this unit.

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 - 2023

- Brisbane
- 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: 40%

2. **Online Test**

Weighting: 60%

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 Student Unit and Teaching Evaluations

Feedback

Weekly lecture content that was divided and delivered in smaller topics was helpful to students' learning.

Recommendation

Continue to provide lectures in this format.

Feedback from Student Unit and Teaching Evaluations

Feedback

A weekly formative quiz and the "Do It Yourself" study notes were helpful for revision and assessment preparation.

Recommendation

Continue to provide revision materials in these formats.

Feedback from Student Unit and Teaching Evaluations

Feedback

The Complete Anatomy application is a very valuable resource for learning anatomy and physiology.

Recommendation

Continue to provide students with free access to Complete Anatomy.

Feedback from Student Unit and Teaching Evaluations

Feedback

Assessment feedback can be more detailed.

Recommendation

Provide students with detailed feedback during the review stage of their online quiz and test.

Unit Learning Outcomes

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

1. Identify the structural levels of organisation and anatomical structures using medical terminology
2. Identify the general features and role of homeostasis in the body
3. Describe the human anatomy of integumentary, skeletal, muscular, nervous, endocrine, cardiovascular, lymphatic and immune, respiratory, digestive, urinary and reproductive systems
4. Describe the human physiology of integumentary, skeletal, muscular, nervous, endocrine, cardiovascular, lymphatic and immune, respiratory, digestive, urinary and reproductive systems
5. Discuss the interactions between structure and function in each of the human body systems
6. Discuss the application of human anatomy and physiology relevant to your discipline.

In courses that are externally accredited, the learning outcomes are linked to the national standards of the respective professional organisation/s.

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	5	6
1 - Online Quiz(zes) - 40%	•	•	•	•	•	•
2 - Online Test - 60%	•	•	•	•	•	•

Alignment of Graduate Attributes to Learning Outcomes

Graduate Attributes	Learning Outcomes					
	1	2	3	4	5	6
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) - 40%	•			•		•				
2 - Online Test - 60%	•			•		•				

Textbooks and Resources

Textbooks

BMSC11010

Prescribed

Anatomy and Physiology

Edition: 2022 (2022)

Authors: J. Gordon Betts, Kelly A. Young, James A. Wise, Eddie Johnson, Brandon Poe, Dean H. Kruse, Oksana Korol, Jody E. Johnson, Mark Womble, Peter DeSaix

OpenStax

ISBN: <https://openstax.org/details/books/anatomy-and-physiology>

Binding: Website Link

BMSC11010

Supplementary

Anatomy and Physiology: Adapted International Edition

Edition: 9th (2019)

Authors: Kevin T. Patton, Gary A. Thibodeau, Andrew Hutton

Elsevier Health Sciences

Great Britain

ISBN: 9780702077166

Binding: Hardcover

Additional Textbook Information

This free online textbook (<https://openstax.org/details/books/anatomy-and-physiology>) is the only textbook students need for this unit. It will be listed as “prescribed” and is the compulsory text for this unit.

Whereas the Patton textbook (Anatomy and Physiology: Adapted International Edition 9th (2018) Authors: Kevin T. Patton, Gary A. Thibodeau, Andrew Hutton) will be listed as “supplementary”. A supplementary textbook is not compulsory for the unit but adds more information as some students may want to read further.

Students will have free access to Complete Anatomy (<https://3d4medical.com/>) which is an excellent 3D anatomy platform. More details about accessing Complete Anatomy will be provided on Moodle.

[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: [Harvard \(author-date\)](#)

For further information, see the Assessment Tasks.

Teaching Contacts

Ryan du Preez Unit Coordinator

r.dupreez@cqu.edu.au

Schedule

Week 1 - 06 Mar 2023

Module/Topic	Chapter	Events and Submissions/Topic
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Introduction to Anatomy and Physiology

[Openstax](#)
Chapters 1, 2 and 3

Week 2 - 13 Mar 2023

Module/Topic	Chapter	Events and Submissions/Topic
Integumentary System	Openstax Chapter 5	

Week 3 - 20 Mar 2023

Module/Topic	Chapter	Events and Submissions/Topic
Muscular System	Openstax Chapters 10 and 11	

Week 4 - 27 Mar 2023

Module/Topic	Chapter	Events and Submissions/Topic
Skeletal System	Openstax Chapters 6, 7 and 8	

Week 5 - 03 Apr 2023

Module/Topic	Chapter	Events and Submissions/Topic
Cardiovascular System	Openstax Chapters 18, 19 and 20	

Vacation Week - 10 Apr 2023

Module/Topic	Chapter	Events and Submissions/Topic
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Week 6 - 17 Apr 2023

Module/Topic	Chapter	Events and Submissions/Topic
Respiratory System	Openstax Chapter 22	

Week 7 - 24 Apr 2023

Module/Topic	Chapter	Events and Submissions/Topic
Lymphatic System and Immunity	Openstax Chapter 21	

Week 8 - 01 May 2023

Module/Topic	Chapter	Events and Submissions/Topic
Endocrine System	Openstax Chapter 17	

Week 9 - 08 May 2023

Module/Topic	Chapter	Events and Submissions/Topic
Nervous System	Openstax Chapters 13, 14 and 15	

Week 10 - 15 May 2023

Module/Topic	Chapter	Events and Submissions/Topic
Digestive System	Openstax Chapter 23	

Week 11 - 22 May 2023

Module/Topic	Chapter	Events and Submissions/Topic
Urinary System	Openstax Chapter 25	

Week 12 - 29 May 2023

Module/Topic	Chapter	Events and Submissions/Topic
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Reproductive System

[Openstax](#)
Chapter 27

Review/Exam Week - 05 Jun 2023

Module/Topic	Chapter	Events and Submissions/Topic
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Exam Week - 12 Jun 2023

Module/Topic	Chapter	Events and Submissions/Topic
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Term Specific Information

Unit coordinator contact details are provided on Moodle.

This free online textbook (<https://openstax.org/details/books/anatomy-and-physiology>) is the only textbook students need for this unit. It will be listed as “prescribed” and is the compulsory text for this unit.

Whereas the Patton textbook (Anatomy and Physiology: Adapted International Edition 9th (2018) Authors: Kevin T. Patton, Gary A. Thibodeau, Andrew Hutton) will be listed as “supplementary”. A supplementary textbook is not compulsory for the unit but adds more information as some students may want to read further.

Students will have free access to Complete Anatomy (<https://3d4medical.com/>) which is an excellent resource. More details about accessing Complete Anatomy will be provided on Moodle.

As per Australian educational standards, you are expected to commit 150 hours of engagement to your study of this unit. A recommended breakdown of study hours is given below:

- 2 - 3 hours per week watching pre-recorded lectures and revising the content through study notes.
- 2 - 3 hours per week completing the weekly study questions and weekly revision quizzes on the unit's Moodle site.
- 2 - 3 hours per week attending the weekly tutorials and reflecting on your answers to the weekly revision worksheets.
- 3 - 4 hours per week preparing for your assessable online quiz and end of term online test.

Assessment Tasks

1 Online Quiz

Assessment Type

Online Quiz(zes)

Task Description

Online Quiz (40% weighting)

The online quiz assesses content from weeks 1-5.

Week 1 - Introduction to Anatomy and Physiology

Week 2 - Integumentary System

Week 3 - Muscular System

Week 4 - Skeletal System

Week 5 - Cardiovascular System

Students will have one attempt and a time limit of 90 minutes to complete the online quiz on Moodle in week 6 of term. This assessment will occur between 9am AEST 17 April 2023 and 5pm AEST 21 April 2023. The date will be finalised during the term to minimise clashes with other units. It will be open for a period of 32 hours. There is a minimum requirement in the assessment task: 50% of the available marks for this assessment item. In the absence of an approved extension, there will be no opportunity to complete the task after the assigned date.

Number of Quizzes

1

Frequency of Quizzes

Other

Assessment Due Date

The opening and closing times & dates will be provided on Moodle.

Return Date to Students

Marks are available immediately after completing the assessment.

Weighting

40%

Minimum mark or grade

50%

Assessment Criteria

Questions will be automatically marked correct or incorrect.

Referencing Style

- [Harvard \(author-date\)](#)

Submission

Online

Learning Outcomes Assessed

- Identify the structural levels of organisation and anatomical structures using medical terminology
- Identify the general features and role of homeostasis in the body
- Describe the human anatomy of integumentary, skeletal, muscular, nervous, endocrine, cardiovascular, lymphatic and immune, respiratory, digestive, urinary and reproductive systems
- Describe the human physiology of integumentary, skeletal, muscular, nervous, endocrine, cardiovascular, lymphatic and immune, respiratory, digestive, urinary and reproductive systems
- Discuss the interactions between structure and function in each of the human body systems
- Discuss the application of human anatomy and physiology relevant to your discipline.

Graduate Attributes

- Communication
- Information Literacy
- Information Technology Competence

2 End of Term Online Test

Assessment Type

Online Test

Task Description**End of Term Online Test (60% weighting)**

The end of term online test assesses content covered during weeks 6-12.

Week 6 - Respiratory System

Week 7 - Lymphatic System and Immunity

Week 8 - Endocrine System

Week 9 - Nervous System

Week 10 - Digestive System

Week 11 - Urinary System

Week 12 - Reproductive System

Students will have one attempt and a time limit of 135 minutes to complete the end of term online test on Moodle in the exam week of term. This assessment will occur between 9am AEST 8 June 2023 and 5pm AEST 16 June 2023. The date will be finalised during the term to minimise clashes with other units. It will be open for a period of 32 hours. There is a minimum requirement in the assessment task: 50% of the available marks for this assessment item. In the absence of an approved extension, there will be no opportunity to complete the task after the assigned date.

Assessment Due Date

The opening and closing times & dates will be provided on Moodle.

Return Date to Students

Marks are available immediately after completing the assessment.

Weighting

60%

Minimum mark or grade

50%

Assessment Criteria

Questions will be automatically marked correct or incorrect.

Referencing Style

- [Harvard \(author-date\)](#)

Submission

Online

Learning Outcomes Assessed

- Identify the structural levels of organisation and anatomical structures using medical terminology
- Identify the general features and role of homeostasis in the body
- Describe the human anatomy of integumentary, skeletal, muscular, nervous, endocrine, cardiovascular, lymphatic and immune, respiratory, digestive, urinary and reproductive systems
- Describe the human physiology of integumentary, skeletal, muscular, nervous, endocrine, cardiovascular, lymphatic and immune, respiratory, digestive, urinary and reproductive systems
- Discuss the interactions between structure and function in each of the human body systems
- Discuss the application of human anatomy and physiology relevant to your discipline.

Graduate Attributes

- Communication
- Information Literacy
- Information Technology Competence

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