BMSC11001 *Human Body Systems 1*
Term 2 - 2021

Profile information current as at 01/07/2022 03:04 pm

General Information

Overview
After the completion of this unit, you will be able to describe the structural levels of organisation within the body, effectively utilise anatomical terminology, and understand and describe the anatomy and physiology of the integumentary, skeletal, muscular, nervous systems, and special senses. Your knowledge and skills will be developed through a series of coursework exercises. You will be required to have access to a computer to make frequent use of internet resources and to complete assessment tasks.

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
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 2 - 2021

- 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. **Online Test**
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

The students enjoyed the weekly worksheets which contain a variety of question styles similar to those in their assessments.

Recommendation

The weekly worksheets should be maintained and updated where appropriate.

Feedback from Have your say

Feedback

The students appreciated the recorded lectures being available in advance and broken down into smaller lectures.

Recommendation

The currect recorded lectures in their short format will be retained.

Unit Learning Outcomes

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

1. Describe the major anatomical features of the cells, tissues, and organs of the integumentary, skeletal, muscular, and nervous systems, and of the special senses
2. Describe the function and physiological regulation of the cells, tissues, and organs of the integumentary, skeletal, muscular, and nervous systems, and of the special senses.
3. Explain the interactions between structure and function in each of the human body systems
4. Apply anatomical terminology and the levels of organisation to the human body and its systems.

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 - Online Test - 50%	•	•	•	•

Alignment of Graduate Attributes to Learning Outcomes

Graduate Attributes	Learning Outcomes			
	1	2	3	4
1 - Communication	•	•	•	•

Graduate Attributes	Learning Outcomes			
	1	2	3	4
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 - Online Test - 50%	•		•	•						

Textbooks and Resources

Textbooks

BMSC11001

Prescribed

Fundamentals of Anatomy & Physiology, Global Edition + Martini's Atlas of the Human Body
11th Edition (2018)
Authors: Martini, F.H., Nath, J.L. & Bartholomew, E.F.
Pearson
Harlow , Essex , England
ISBN: 978-1-488-68748-8
Binding: Hardcover

Additional Textbook Information
The value pack 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: Harvard (author-date)
For further information, see the Assessment Tasks.

Teaching Contacts

Ryan du Preez Unit Coordinator
r.dupreez@cqu.edu.au
Jessica Pahl Unit Coordinator
j.pahl@cqu.edu.au

Schedule

Week 1 - 12 Jul 2021

Module/Topic	Chapter	Events and Submissions/Topic
Introduction to Anatomy and Physiology / The Chemical Level of Organization	Martini, Nath & Bartholomew: Chapters 1 & 2	

Week 2 - 19 Jul 2021

Module/Topic	Chapter	Events and Submissions/Topic
The Cellular Level of Organization	Martini, Nath & Bartholomew: Chapter 3	

Week 3 - 26 Jul 2021

Module/Topic	Chapter	Events and Submissions/Topic
The Tissue Level of Organization	Martini, Nath & Bartholomew: Chapter 4	Progress Quiz 1 opens Friday, 17:00 AEST

Week 4 - 02 Aug 2021

Module/Topic	Chapter	Events and Submissions/Topic
The Integumentary System	Martini, Nath & Bartholomew: Chapter 5	Progress Quiz 1 closes Friday, 17:00 AEST

Week 5 - 09 Aug 2021

Module/Topic	Chapter	Events and Submissions/Topic
Bones and Bone Structure / The Axial Skeleton	Martini, Nath & Bartholomew: Chapters 6 & 7	

Vacation Week - 16 Aug 2021

Module/Topic	Chapter	Events and Submissions/Topic
No classes scheduled		

Week 6 - 23 Aug 2021

Module/Topic	Chapter	Events and Submissions/Topic
The Appendicular Skeleton / Joints	Martini, Nath & Bartholomew: Chapters 8 & 9	Progress Quiz 2 opens Friday, 17:00 AEST

Week 7 - 30 Aug 2021

Module/Topic	Chapter	Events and Submissions/Topic
Muscle Tissue	Martini, Nath & Bartholomew: Chapter 10	Progress Quiz 2 closes Friday, 17:00 AEST

Week 8 - 06 Sep 2021

Module/Topic	Chapter	Events and Submissions/Topic
The Muscular System	Martini, Nath & Bartholomew: Chapter 11	Progress Quiz 3 opens Friday, 17:00 AEST

Week 9 - 13 Sep 2021

Module/Topic	Chapter	Events and Submissions/Topic
Nervous Tissue	Martini, Nath & Bartholomew: Chapter 12	Progress Quiz 3 closes Friday, 17:00 AST

Week 10 - 20 Sep 2021

Module/Topic	Chapter	Events and Submissions/Topic
The Central Nervous System and Reflexes	Martini, Nath & Bartholomew: Chapters 13 & 14	

Week 11 - 27 Sep 2021

Module/Topic	Chapter	Events and Submissions/Topic
Somatic and Autonomic Nervous Systems	Martini, Nath & Bartholomew: Chapters 15 & 16	Progress Quiz 4 opens Friday, 17:00 AEST

Week 12 - 04 Oct 2021

Module/Topic	Chapter	Events and Submissions/Topic
Special Senses	Martini, Nath & Bartholomew: Chapter 17	Progress Quiz 4 closes Friday, 17:00 AEST

Review/Exam Week - 11 Oct 2021

Module/Topic	Chapter	Events and Submissions/Topic

Exam Week - 18 Oct 2021

Module/Topic	Chapter	Events and Submissions/Topic

Term Specific Information

Jessica Pahl will be delivering the weekly tutorials, and responding to Q&A forum posts and emails. Jessica has completed a Bachelor of Health (Biomedical Science) with honours. Her PhD investigated components of Queensland-grown algae, such as fibre and antioxidant pigments, to alleviate complications of metabolic syndrome.

The pre-recorded lectures are delivered by Dr Debra Carlson and Dr Candice Pullen. Dr Carlson is a remedial therapist with a Bachelor of Health Science, Bachelor of Science with honours majoring in physiology and conducted cardiovascular research for her PhD in Exercise Physiology. Dr Pullen has a Bachelor of Biomedical Science with honours and conducted cardiovascular and pharmacology research focused on diabetes and hypertension for her PhD. Drs Carlson and Pullen have a Graduate Certificate in Tertiary and Adult Education.

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 progress quizzes and studying for your online test.

Assessment Tasks

1 Progress Quiz

Assessment Type
Online Quiz(zes)

Task Description
Each health profession possesses a body of knowledge, the fundamentals of which must be learnt and understood. The various health professions you have chosen to study have selected the body of knowledge and concepts taught in this unit as relevant to your future scope of practice and you will build upon them in your future coursework.
The purpose of the progress quizzes is to challenge your knowledge and understanding of the content as you progress through the unit. All of the quizzes will be available for a period of one (1) week and must be completed by the closing date listed in the table below.

1. There will be four separate online quizzes to assess your knowledge of the unit material.
2. Each quiz will have 25 questions.
3. You will be allowed two attempts at each quiz. The highest grade you achieve will serve as your final score for that quiz.
4. Your score from each quiz will contribute 12.5% to your final grade (4 quizzes x 12.5% = 50%).
5. There is a minimum requirement in the assessment task: 50% of the available marks for this assessment item.
6. In the absence of an approved extension, there will be no opportunity to complete the task after the assigned date.

Quiz Number	Topic Examined	Time / Date the Quiz Opens	Time / Date the Quiz Closes
Progress Quiz 1	Week 1, 2, 3	Week 3, Friday, 17:00 AEST	Week 4, Friday, 17:00 AEST
Progress Quiz 2	Week 4, 5, 6	Week 6, Friday, 17:00 AEST	Week 7, Friday, 17:00 AEST
Progress Quiz 3	Week 7, 8	Week 8, Friday, 17:00 AEST	Week 9, Friday, 17:00 AEST
Progress Quiz 4	Week 9, 10, 11	Week 11, Friday, 17:00 AEST	Week 12, Friday, 17:00 AEST

Number of Quizzes
4

Frequency of Quizzes
Other

Assessment Due Date

All of the quizzes will be available for a period of one (1) week and must be completed by the closing date listed in the table and on the Moodle site.

Return Date to Students

Marks will be available upon completing the assessment task.

Weighting
50%

Minimum mark or grade
50%

Assessment Criteria
Questions will be automatically marked correct or incorrect. The maximum score (100) that can be accumulated from the four Progress Quizzes equals 50% of the total unit marks.

Referencing Style

- Harvard (author-date)

Submission
Online

Learning Outcomes Assessed

- Describe the major anatomical features of the cells, tissues, and organs of the integumentary, skeletal, muscular, and nervous systems, and of the special senses
- Describe the function and physiological regulation of the cells, tissues, and organs of the integumentary, skeletal, muscular, and nervous systems, and of the special senses.
- Explain the interactions between structure and function in each of the human body systems
- Apply anatomical terminology and the levels of organisation to the human body and its systems.

Graduate Attributes

- Critical Thinking
- Information Literacy
- Information Technology Competence

2 Online Test

Assessment Type
Online Test

Task Description
An end of term online test, in the form of an online quiz, will be conducted to assess your knowledge and understanding of the content covered in this unit throughout the term.

Assessment Due Date

The online test will be conducted during the exam period. The date and time will be made available to students towards the end of term when the timetable has been created.

Return Date to Students

Marks will be available after certification of grades.

Weighting
50%

Minimum mark or grade
50%

Assessment Criteria
Questions will be automatically marked correct or incorrect, the maximum score (100) equals 50% of the total unit marks.

Referencing Style

- Harvard (author-date)

Submission
Online

Learning Outcomes Assessed

- Describe the major anatomical features of the cells, tissues, and organs of the integumentary, skeletal, muscular, and nervous systems, and of the special senses
- Describe the function and physiological regulation of the cells, tissues, and organs of the integumentary, skeletal, muscular, and nervous systems, and of the special senses.
- Explain the interactions between structure and function in each of the human body systems
- Apply anatomical terminology and the levels of organisation to the human body and its systems.

Graduate Attributes

- Communication
- Critical Thinking
- Information Literacy

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