



# BMSC11001 *Human Body Systems 1*

## Term 1 - 2017

Profile information current as at 19/08/2022 07:07 pm

All details in this unit profile for BMSC11001 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

You should be able to understand and discuss human body system organisation and functional anatomy and physiology of the skeletal, muscular and nervous systems on successful completion of this unit. Mastery of anatomical terminology and the concept of the homeostatic mechanism will be explored. Your knowledge and skills will be developed through a series of coursework exercises and online practical sessions. Distance education (FLEX) students 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 1 - 2017

- Brisbane
- Cairns
- Distance
- Mackay
- Melbourne
- Perth
- Rockhampton
- Sydney
- Townsville

### 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 Student feedback

##### Feedback

Students appreciated that the course coordinator visited each campus where this course is offered internally during term.

##### Recommendation

Coordinator will continue to visit each campus. Staff will also look into ways to ensure other face-to-face activities can be included into the course.

## Unit Learning Outcomes

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

1. Use anatomical and directional terminology appropriately
2. Explain the concept of homeostasis as it relates to physiological functioning
3. Summarise the structure and function of cellular organelles and their effect on cellular metabolism
4. Detail mechanisms for cellular transport and communication
5. Recognise tissue types in the structure and function of body organs using the cutaneous system as an example
6. Discuss the functional anatomy of the skeletal, muscular and nervous systems
7. Discuss the physiology of the skeletal, muscular and nervous systems
8. Explain the role of the skeletal and muscular systems in support and locomotion
9. Explain the role of the nervous system in integration and control of body function

## Alignment of Learning Outcomes, Assessment and Graduate Attributes



### Alignment of Assessment Tasks to Learning Outcomes

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

### Alignment of Graduate Attributes to Learning Outcomes

Graduate Attributes	Learning Outcomes								
	1	2	3	4	5	6	7	8	9
1 - Communication	•	•	•	•		•	•	•	•
2 - Problem Solving					•				

Graduate Attributes	Learning Outcomes								
	1	2	3	4	5	6	7	8	9
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

BMSC11001

#### Prescribed

#### **Anatomy and Physiology From Science to Life**

Third Edition (2013)

Authors: G.W. Jenkins, G.J Tortora

Wiley

United States of America

ISBN: 13 978-0470-59891-7 or 13 978-1118-12920-3

Binding: Hardcover

#### **Additional Textbook Information**

This book can be packaged with Real Anatomy software and a WileyPlus access card. The Real Anatomy software and WileyPlus access card are not essential study resources, all assessment items are prepared only using the textbook, but we have recommended these additional items as students often ask us to recommend online study resources.

[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

**Rebecca Vella** Unit Coordinator

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

## Schedule

### **Week 1 - 06 Mar 2017**

Module/Topic	Chapter	Events and Submissions/Topic
Introduction to the Human Body	1	

### **Week 2 - 13 Mar 2017**

Module/Topic	Chapter	Events and Submissions/Topic
The Chemical Level of Organization	2	

### **Week 3 - 20 Mar 2017**

Module/Topic	Chapter	Events and Submissions/Topic
The Cellular Level of Organization	3	

### **Week 4 - 27 Mar 2017**

Module/Topic	Chapter	Events and Submissions/Topic
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The Tissue Level of Organization / The Integumentary System 4 & 5

#### Week 5 - 03 Apr 2017

Module/Topic	Chapter	Events and Submissions/Topic
Introduction to the Skeletal System / The Axial Skeleton	6 & 7	

#### Vacation Week - 10 Apr 2017

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

#### Week 6 - 17 Apr 2017

Module/Topic	Chapter	Events and Submissions/Topic
The Appendicular Skeleton / Articulations	8 & 9	

#### Week 7 - 24 Apr 2017

Module/Topic	Chapter	Events and Submissions/Topic
Introduction to the Nervous System	12	

#### Week 8 - 01 May 2017

Module/Topic	Chapter	Events and Submissions/Topic
The Central Nervous System	13	

#### Week 9 - 08 May 2017

Module/Topic	Chapter	Events and Submissions/Topic
The Peripheral Nervous System / Sensory Motor and Integrative Systems	14 & 15	

#### Week 10 - 15 May 2017

Module/Topic	Chapter	Events and Submissions/Topic
Muscle Tissue	10	

#### Week 11 - 22 May 2017

Module/Topic	Chapter	Events and Submissions/Topic
The Muscular System	11	

#### Week 12 - 29 May 2017

Module/Topic	Chapter	Events and Submissions/Topic
Course revision and preparation for examination		Check your personal examination schedule via your CQUni account. <b>Topic Quizzes</b> Due: Week 12 Friday (2 June 2017) 5:00 pm AEST

#### Review/Exam Week - 05 Jun 2017

Module/Topic	Chapter	Events and Submissions/Topic
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#### Exam Week - 12 Jun 2017

Module/Topic	Chapter	Events and Submissions/Topic
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## Assessment Tasks

### 1 Topic Quizzes

**Assessment Type**

Online Quiz(zes)

**Task Description**

There will be four 30 minute, online quizzes held through out the term to assess your knowledge of the unit material. Each quiz will be comprised of 25 questions. These questions will be similar to those presented in the weekly formative revision quizzes throughout term. *Keep in mind that your questions may differ to those of classmates since they will be generated randomly from a pool of questions.*

You will be allowed two attempts at each quiz. It is not compulsory to attempt each quiz twice, it is an opportunity for students to improve their grade. Importantly if you do decide to attempt a quiz twice your final score will be the average result from both quizzes (For example - if on the first attempt you score 22/25 and on your second attempt you score 20/25 then you will receive 21/25 as your final mark for this assessment item).

Your score from each individual quiz will contribute 12.5% to your final grade (4 quizzes x 12.5% = 50%).

Specific dates that each quiz will open and close are outlined in the table below. Please note that these assessment tasks must be completed on or before the due dates listed in the table below. In the absence of an approved extension, there will be no opportunity to complete the task after this date, and there will be no opportunity to apply a late penalty of five per cent per day.

Quiz Number	Topic Examined	Time / Date the Quiz Opens	Time / Date the Quiz Closes
1	Introduction to the human body, the chemical, cellular and tissue level of organization and the integumentary system (Chapters 1, 2, 3, 4 & 5)	9:00am (AEST) Friday the 31st of March 2017 (Week 4)	5:00pm (AEST) Friday the 2nd of June 2017 (Week 12)
2	Introduction to the skeletal system, the axial and appendicular skeleton and articulations (Chapters 6, 7, 8 & 9)	9:00am (AEST) Friday the 21st of April 2017 (Week 6)	5:00pm (AEST) Friday the 2nd of June 2017 (Week 12)
3	Introduction to the nervous system, the central and peripheral nervous systems and sensory motor and integrative functions (Chapters 12, 13, 14 & 15)	9:00am (AEST) Friday the 12th of May 2017 (Week 9)	5:00pm (AEST) Friday the 2nd of June 2017 (Week 12)
4	Muscle tissue and the muscular system (Chapters 10 & 11)	9:00am (AEST) Friday the 26th of May 2017 (Week 11)	5:00pm (AEST) Friday the 2nd of June 2017 (Week 12)

**Number of Quizzes**

4

**Frequency of Quizzes**

Other

**Assessment Due Date**

Week 12 Friday (2 June 2017) 5:00 pm AEST

**Return Date to Students**

Students will receive their score on completion of each quiz.

**Weighting**

50%

**Assessment Criteria**

One mark per correct answer.

**Referencing Style**

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

**Submission**

Online

**Learning Outcomes Assessed**

- Use anatomical and directional terminology appropriately
- Explain the concept of homeostasis as it relates to physiological functioning
- Summarise the structure and function of cellular organelles and their effect on cellular metabolism
- Detail mechanisms for cellular transport and communication

- Recognise tissue types in the structure and function of body organs using the cutaneous system as an example
- Discuss the functional anatomy of the skeletal, muscular and nervous systems
- Discuss the physiology of the skeletal, muscular and nervous systems
- Explain the role of the skeletal and muscular systems in support and locomotion
- Explain the role of the nervous system in integration and control of body function

#### **Graduate Attributes**

- Problem Solving
- Critical Thinking
- Information Technology Competence

## 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**

40%

#### **Exam Conditions**

Closed Book.

#### **Materials**

No calculators permitted

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