BMSC11008 *Medical Anatomy and Physiology 2*
Term 3 - 2020

Profile information current as at 02/05/2024 06:08 pm

Corrections

General Information

Overview
In this unit, you will learn to apply anatomical terminology and the concept of levels of organisation when describing the human body and its systems. You will describe the anatomical features, function and physiological regulation of the musculoskeletal, cardiovascular, nervous and integumentary human body systems. In addition, you will study the anatomical and physiological relations involved in human movement including the effects of use, disuse and ageing on the head and neck, thorax, abdomen, back and upper limbs.

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
This unit is for students from these courses only: CB66 - Bachelor of Health Science (Allied Health), CB84 - Bachelor of Occupational Therapy (Honours), CB85 - Bachelor of Physiotherapy (Honours), CB86 - Bachelor of Podiatry (Honours), CB87 - Bachelor of Speech Pathology (Honours).
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 3 - 2020

- Mixed Mode

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).

Residential Schools
This unit has a Compulsory Residential School for distance mode students and the details are:
Click here to see your Residential School Timetable.

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 Self reflection and peer review

Feedback
Provision of photographs of anatomical models as a useful learning resource for online teaching.

Recommendation
Photographs of anatomical models will continue to be available to students as an additional learning resource in face to face delivery.

Feedback from Student Feedback

Feedback
Students appreciated the flexibility of learning with recorded lectures, tutorials and practicals.

Recommendation
Continue to record all content to provide crucial study resources.

Feedback from Student feedback

Feedback
Students appreciated availability of weekly practice quizzes to reinforce learning key concepts.

Recommendation
Continue provision of weekly formative quizzes, increasing the numbers of questions in the bank to allow for more variations.

Unit Learning Outcomes

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

1. Describe the anatomical features, function and physiological regulation of the cells, tissues, and organs of the musculoskeletal, cardiovascular, nervous and integumentary human body systems
2. Identify and describe anatomical structures of the normal human body focusing on musculoskeletal and neurovascular structures of the head and neck, thorax, abdomen, back and upper limbs
3. Explain the anatomical and physiological relations involved in human movement
4. Describe the human body's response to use, disuse and ageing across the lifespan
5. Apply anatomical terminology and the concept of levels of organisation when describing the human body and its systems.

This unit was created to meet the accreditation requirements of the allied health courses.

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
1 - Online Quiz(zes) - 50%	•	•	•	•	•

Assessment Tasks	Learning Outcomes				
	1	2	3	4	5
2 - Online Test - 50%	•	•	•	•	•

Alignment of Graduate Attributes to Learning Outcomes

Graduate Attributes	Learning Outcomes				
	1	2	3	4	5
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 - Online Test - 50%	•	•		•				•		

Textbooks and Resources

Textbooks

BMSC11008

Prescribed

Grays Anatomy for Students
Edition: 4th edn (2019)
Authors: Richard Drake, A. Wayne Vogl, Adam W. M. Mitchel
Elsevier Health Sciences
Philadelphia , PA , USA
ISBN: 9780323393041
Binding: Paperback
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Supplementary

McMinn and Abrahams Clinical Atlas of Human Anatomy
Edition: 8th edn (2019)
Authors: Peter H. Abrahams, Jonathan D. Spratt, Marios Loukas, Albert-Neels van Schoor
Elsevier Health Sciences
Jamestown , UK
ISBN: 9780702073328
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 7th Edition (APA 7th edition)
For further information, see the Assessment Tasks.

Teaching Contacts

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Schedule

Week 1 - 09 Nov 2020

Module/Topic	Chapter	Events and Submissions/Topic
Introduction and Terminology Review: The Role of the Cardiovascular System & Nervous System in Body Maintenance and Physiological Regulation Regional Anatomy: The Shoulder	Gray: Ch 1 - The Body (pp 1-48). Gray: Ch 7 - Upper Limb (pp 673-738). *Read conceptual overview until regional anatomy of the arm.* Martini: Ch 21 - Blood Vessels and Circulation (pp 774-821).	

Week 2 - 16 Nov 2020

Module/Topic	Chapter	Events and Submissions/Topic
Regional Anatomy: The Arm and Elbow	Gray: Ch 7 - Upper Limb (pp 739-760). *Read regional anatomy of the arm.*	

Week 3 - 23 Nov 2020

Module/Topic	Chapter	Events and Submissions/Topic
Regional Anatomy: The Forearm and Wrist	Gray: Ch 7 - Upper Limb (pp 761-782). *Read regional anatomy of the forearm.*	

Week 4 - 30 Nov 2020

Module/Topic	Chapter	Events and Submissions/Topic
Regional Anatomy: The Hand Discussion: Upper Limb Function and the effects of use and disuse across the Lifespan	Gray: Ch 7 - Upper Limb (pp 782-809). *Read regional anatomy of the hand.*	PROGRESS QUIZ 1 Opens: Friday, Week 4 at 9:00 AM (AEST)

Vacation Week - 07 Dec 2020

Module/Topic	Chapter	Events and Submissions/Topic

Week 5 - 14 Dec 2020

Module/Topic	Chapter	Events and Submissions/Topic
Regional Anatomy: The Trunk - Bones and Joints	Gray: Ch 2 - Back (pp 51-85). *Read conceptual overview until regional anatomy of back musculature.* Gray: Ch 3 - Thorax (pp 144-151). *Read regional anatomy of the thoracic wall: skeletal framework.*	PROGRESS QUIZ 1 Closes: Friday, Week 5 at 5:00 PM (AEST)

Week 6 - 21 Dec 2020

Module/Topic	Chapter	Events and Submissions/Topic
Regional Anatomy: The Trunk - Muscles	Gray: Ch 2 - Back (pp 86 - 101). *Read regional anatomy of back musculature.* Gray: Ch 3 - Thorax (pp 151-165). *Read intercostal spaces until pleural cavities.* Gray: Ch 4 - Abdomen (pp 278-283, 367-373). *Read sections on anterolateral muscles and posterior abdominal wall.*	

Vacation Week - 28 Dec 2020

Module/Topic	Chapter	Events and Submissions/Topic

Week 7 - 04 Jan 2021

Module/Topic	Chapter	Events and Submissions/Topic
Regional Anatomy: The Trunk - Neurovascular Supply	Gray: Ch 3 - Thorax (pp 166-235). *Read sections on pleural cavities and mediastinum.* Gray: Ch 4 - Abdomen (pp 300-409). *Read sections on abdominal viscera and posterior abdominal region and surface anatomy.* Martini: Ch 23 - The Respiratory System (pp 881-925). Martini: Ch 24 - The Digestive System (pp 931-978).	PROGRESS QUIZ 2 Opens: Friday, Week 7 at 9:00 AM (AEST)

Week 8 - 11 Jan 2021

Module/Topic	Chapter	Events and Submissions/Topic

Regional Anatomy: The Head and Neck - Bones and Joints	Gray: Ch 8 - Head and Neck. *Read conceptual overview AND regional anatomy sections on skull, cranial cavity, bony orbit, temporomandibular joint, skeletal framework sections and teeth.*	PROGRESS QUIZ 2 Closes: Friday Week 8 at 5:00 PM (AEST).

Week 9 - 18 Jan 2021

Module/Topic	Chapter	Events and Submissions/Topic
Regional Anatomy: The Head and Neck - Muscles Discussion: Head and Neck Function and effects of use and disuse across the lifespan	Gray: Ch 8 - Head and Neck. *Read regional anatomy sections on muscles of face, orbit, mastication, neck and tongue.*	PROGRESS QUIZ 3 Opens: Friday, Week 9 at 9:00 AM (AEST)

Week 10 - 25 Jan 2021

Module/Topic	Chapter	Events and Submissions/Topic
Regional Anatomy: The Head and Neck - Vascular Supply	Gray: Ch 8 - Head and Neck . *Read regional anatomy sections on meninges and blood supply of brain, face, scalp, orbit, neck, pharynx, larynx and nasal cavities.*	PROGRESS QUIZ 3 Closes: Friday, Week 10 at 5:00 PM (AEST).

Week 11 - 01 Feb 2021

Module/Topic	Chapter	Events and Submissions/Topic
Regional Anatomy: The Head and Neck - Nerve Supply	Gray: Ch 8 - Head and Neck . *Read regional anatomy sections on cranial nerves and innervation of face, scalp, orbit, pharynx, larynx, nasal cavities and oral cavity.*	PROGRESS QUIZ 4 Opens: Friday, Week 11 at 9:00 AM (AEST)

Week 12 - 08 Feb 2021

Module/Topic	Chapter	Events and Submissions/Topic
Residential School	Compulsory Residential School: In Person in Rockhampton. Monday 8th February to Wednesday 10th February, 2021	PROGRESS QUIZ 4 Closes: Friday, Week 12 at 5:00 PM (AEST).

Term Specific Information

All lectures, tutorial and practical videos have been previously recorded.
A face to face residential school is scheduled for Monday to Wednesday of Week 12 (February 8-10, 2021).

Assessment Tasks

1 PROGRESS QUIZZES

Assessment Type
Online Quiz(zes)

Task Description
An understanding of human anatomy and physiology is essential to many health professions. The fundamentals of this knowledge must be learnt and understood. The various health professions you have chosen to study have selected the knowledge and concepts taught in this unit as relevant to your future scope of practice.

1. There will be four separate online quizzes to assess your knowledge of the unit material.
2. The topic examined, weighting and the dates that each quiz open and close are outlined below. Each quiz must be completed during the specified times. In the absence of an approved extension, there will be no opportunity to complete the task after the assigned date.
3. You are allowed three attempts on each quiz. It is not compulsory to attempt the quiz three times. Your average

score, of your quiz attempts, will serve as your final score for that quiz.
4. There is a minimum mark requirement in the assessment task: 50% of the cumulative score of all four quizzes (1-4).

QUIZ NUMBER	TOPIC EXAMINED	WEIGHTING	TIME/DATE QUIZ OPENS	TIME/DATE QUIZ CLOSES
1	Weeks 1,2,3,4	15%	9:00 AM (AEST) Friday Week 4	17:00 PM (AEST) Friday Week 5
2	Weeks 5,6,7	15%	9:00 AM (AEST) Friday Week 7	17:00 PM (AEST) Friday Week 8
3	Weeks 8,9	10%	9:00 AM (AEST) Friday Week 9	17:00 PM (AEST) Friday Week 10
4	Weeks 10,11	10%	9:00 AM (AEST) Friday Week 11	17:00 PM (AEST) Friday Week 12

Number of Quizzes
4

Frequency of Quizzes
Other

Assessment Due Date

See "Task Description" above

Return Date to Students

Immediately upon completion of quiz

Weighting
50%

Minimum mark or grade
50% cumulative

Assessment Criteria
Questions will be automatically marked correct or incorrect at the completion of the quiz. The maximum score that can be accumulated from the four online quizzes equals 50% of the total unit marks. The 50% minimum mark requirement is on the cumulative score of all four quizzes.

Referencing Style

- American Psychological Association 7th Edition (APA 7th edition)

Submission
Online

Learning Outcomes Assessed

- Describe the anatomical features, function and physiological regulation of the cells, tissues, and organs of the musculoskeletal, cardiovascular, nervous and integumentary human body systems
- Identify and describe anatomical structures of the normal human body focusing on musculoskeletal and neurovascular structures of the head and neck, thorax, abdomen, back and upper limbs
- Explain the anatomical and physiological relations involved in human movement
- Describe the human body's response to use, disuse and ageing across the lifespan
- Apply anatomical terminology and the concept of levels of organisation when describing the human body and its systems.

Graduate Attributes

- Communication
- Problem Solving
- Critical Thinking
- Information Literacy
- Information Technology Competence

2 FINAL ASSESSMENT

Assessment Type
Online Test

Task Description
In the clinical context health professionals are expected to have an in-depth knowledge and understanding of anatomical structures, physiological systems and their interrelation.

In this assessment, you will:

1. Identify anatomical structures of the skeletal, muscular and neurovascular systems of the upper limb, head and neck, thorax, back and abdomen.
2. Explain the role of the respiratory, cardiovascular and digestive system in body maintenance and physiological regulation.
3. Explain how anatomy and function are interrelated.
4. Explain the normal function of human movement.
5. Analyze how the human body responds to use and disuse across the lifespan.

This assessment will be based on the material covered in lectures, tutorials and practicals from the entire term. The final assessment is worth 50% of your overall mark for the unit. It consists of approximately 100 questions where students will be required to look at images of anatomical models and bones and identify labelled structures, discuss function, innervation and blood supply of the labelled structures or associated structures. Questions will cover bones, muscles, joints, nerves, blood vessels, viscera and supporting structures in the upper limb, trunk and head and neck. Students are responsible for all content covered in class for the entire term, that is visible on the specimens from the recorded practical sessions and residential school with particular emphasis placed on the practical activities. Photographs of models and bones from the practical sessions will be provided to students for study and preparation.

Assessment Due Date

Details will be available on this unit's Moodle site

Return Date to Students

Within 2 weeks of assessment date

Weighting
50%

Minimum mark or grade
50%

Assessment Criteria
For the final assessment, your responses are scored according to the following criteria:

- correctness, relevance and completeness of the response to the question asked
- correct spelling and use of anatomical and physiological terminology

Referencing Style

- American Psychological Association 7th Edition (APA 7th edition)

Submission
No submission method provided.

Learning Outcomes Assessed

- Describe the anatomical features, function and physiological regulation of the cells, tissues, and organs of the musculoskeletal, cardiovascular, nervous and integumentary human body systems
- Identify and describe anatomical structures of the normal human body focusing on musculoskeletal and neurovascular structures of the head and neck, thorax, abdomen, back and upper limbs
- Explain the anatomical and physiological relations involved in human movement
- Describe the human body’s response to use, disuse and ageing across the lifespan
- Apply anatomical terminology and the concept of levels of organisation when describing the human body and its systems.

Graduate Attributes

- Communication
- Problem Solving
- Information Literacy
- Ethical practice

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