



CHIR12004 *Neuromusculoskeletal Anatomy 1*

Term 1 - 2024

Profile information current as at 07/05/2024 06:50 am

All details in this unit profile for CHIR12004 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.

General Information

Overview

This unit builds on the basic anatomy taught in Human Body Systems 1 and 2. You will further develop your knowledge of anatomy and physiology, which will include studies in gross anatomy, embryology and histology, clinical and living anatomy. You will integrate this, where appropriate, with other basic sciences. An emphasis will be placed on clinical anatomy of the limbs and trunk.

Details

Career Level: *Undergraduate*

Unit Level: *Level 2*

Credit Points: 6

Student Contribution Band: 8

Fraction of Full-Time Student Load: 0.125

Pre-requisites or Co-requisites

Pre-requisites: BMSC11001 Human Body Systems 1 or BMSC11010 Human Anatomy and Physiology 1 AND BMSC11002 Human Body Systems 2 or BMSC11011 Human Anatomy and Physiology 2.

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 - 2024

- Brisbane

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: 15%

2. **Practical Assessment**

Weighting: 35%

3. **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 Verbal Feedback

Feedback

Students would appreciate more realistic anatomical models or resources to help better understand and learn the content in this unit.

Recommendation

It is recommended the discipline explore opportunities to access improved teaching resources for this unit.

Feedback from Verbal Feedback

Feedback

Students would appreciate the opportunity to visit a cadaveric lab to see the anatomical structures.

Recommendation

It is recommended that the new UC explore opportunities to schedule annual visits to cadaveric labs.

Unit Learning Outcomes

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

1. Explain the embryologic processes that underpin anatomy, neuroanatomy and physiology of the human body.
2. Describe the osteology, arthrology, myology, arterial supply, venous and lymphatic drainage and innervation of the limbs and trunk.
3. Identify on bones, models, images and the living subject, the structures forming the limbs and trunk.
4. Describe the actions of the muscles, individually and collectively, of the limbs and trunk.
5. Apply your knowledge of anatomy, neuroanatomy and physiology to clinical case studies.

Alignment of Learning Outcomes, Assessment and Graduate Attributes



Alignment of Assessment Tasks to Learning Outcomes

Assessment Tasks	Learning Outcomes				
	1	2	3	4	5
1 - Online Quiz(zes) - 15%	•	•		•	•
2 - Practical Assessment - 35%			•	•	
3 - 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) - 15%	•	•		•		•				
2 - Practical Assessment - 35%	•	•		•						
3 - Online Test - 50%	•	•		•						

Textbooks and Resources

Textbooks

CHIR12004

Prescribed

Clinically Orientated Anatomy

8th Edition (2017)

Authors: Keith L. Moore, Arthur F. Dalley II, Anne M. R. Agur

Wolter Kluwer

Philadelphia , PA , USA

ISBN: 9781496347213

Binding: Paperback

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Supplementary

Photographic Atlas of Anatomy

9th edition (2022)

Authors: Johannes W. Rohem Chihiro Yokochi, and Elke Lutjen-Drecoll

Schattauer GmbH and Wolters Kluwer

ISBN: 9781975151348

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

Felipe Coutinho Kullmann Duarte Unit Coordinator

f.duarte@cqu.edu.au

Schedule

Week 1 - 04 Mar 2024

Module/Topic	Chapter	Events and Submissions/Topic
Segmental organization of the spinal cord, embryology and brachial plexus	Introduction to clinical anatomy, and chapter 6: upper limb - Moore textbook	

Week 2 - 11 Mar 2024

Module/Topic	Chapter	Events and Submissions/Topic
Wrist and Hand	Chapter 6 - Upper Limb. Moore textbook	

Week 3 - 18 Mar 2024

Module/Topic	Chapter	Events and Submissions/Topic
Arm, forearm and elbow	Chapter 6 - Upper Limb. Moore textbook	

Week 4 - 25 Mar 2024

Module/Topic	Chapter	Events and Submissions/Topic
Shoulder	Chapter 6 - Upper Limb. Moore textbook	

Week 5 - 01 Apr 2024

Module/Topic	Chapter	Events and Submissions/Topic
The cervical spine, typical and atypical vertebrae, joints and intervertebral muscles, and vascular system	Chapter 4: Back: Moore textbook	Assessment 1: Online Quiz 1 Monday 01/04/24 from 8 am to 5pm.

Vacation Week - 08 Apr 2024

Module/Topic	Chapter	Events and Submissions/Topic

Week 6 - 15 Apr 2024

Module/Topic	Chapter	Events and Submissions/Topic
Thoracic spine and rib cage	Chapters 1 and 6: Thorax and Upper limb: Moore textbook	

Week 7 - 22 Apr 2024

Module/Topic	Chapter	Events and Submissions/Topic
Lumbosacral Plexus and clinical its clinical significance	Introduction to Clinical Anatomy and Chapter 4: Back: Moore textbook	

Week 8 - 29 Apr 2024

Module/Topic	Chapter	Events and Submissions/Topic
Lumbar spine, muscles affecting the lumbar spine function, and vascular system	Introduction to Clinical Anatomy and Chapter 4: Back: Moore textbook	Assessment 1: Online Quiz 2 Monday, 29/04/24, from 8 am to 5pm.

Week 9 - 06 May 2024

Module/Topic	Chapter	Events and Submissions/Topic
Hip and pelvis structures	Chapters 3 and 6: Pelvis and Lower limb. Moore textbook	

Week 10 - 13 May 2024

Module/Topic	Chapter	Events and Submissions/Topic
Knee	Chapter 5 Lower limb. Moore textbook	

Week 11 - 20 May 2024

Module/Topic	Chapter	Events and Submissions/Topic
Ankle	Chapter 5: Lower limb. Moore textbook	

Week 12 - 27 May 2024

Module/Topic	Chapter	Events and Submissions/Topic
		Assessment 2: OSPE: It will be available on week 12 from Tuesday 8am to Friday 5pm.
Revision		Assessment 1: Online Quizzes Due: Week 12 Monday (27 May 2024) 5:00 pm AEST Assessment 2: Online Practical Assessment Due: Week 12 Friday (31 May 2024) 5:00 pm AEST

Review/Exam Week - 03 Jun 2024

Module/Topic	Chapter	Events and Submissions/Topic
Assessment 3: Invigilated on campus test		Assessment 3: Invigilated on campus test Due: Review/Exam Week Monday (3 June 2024) 11:00 am AEST

Exam Week - 10 Jun 2024

Module/Topic	Chapter	Events and Submissions/Topic
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Assessment Tasks

1 Assessment 1: Online Quizzes

Assessment Type

Online Quiz(zes)

Task Description

The purpose of the online quizzes is to challenge your knowledge and understanding of the content as you progress through the unit.

1. Three online quizzes will assess your knowledge of the unit material.
2. Quiz 1: available on Monday of the week 5. It will assess the contents taught from weeks 1-4.
3. Quiz 2: available on Monday of the week 8. It will assess the contents taught between weeks 5-7.
4. Quiz 3: available on Monday of the week 12. It will assess contents taught between weeks 8-11.
5. You will be allowed one attempt at each quiz.
6. Your score from each quiz will contribute 5% to your final grade (3 quizzes x 5% = 15%).
7. Without an approved extension, there will be no opportunity to complete the task after the assigned date.

Number of Quizzes

3

Frequency of Quizzes

Other

Assessment Due Date

Week 12 Monday (27 May 2024) 5:00 pm AEST

All of the quizzes will be available between 8am to 5pm on the scheduled week/day. The final quiz is due in week 12, the others are due during their allocated timeslots on weeks 5 and 8.

Return Date to Students

Week 12 Friday (31 May 2024)

Via Moodle after the closure of each quiz

Weighting

15%

Assessment Criteria

Questions will be automatically marked correct or incorrect.

Each quiz is worth 5% out of the 15% (Assessment 1).

The accumulated score between the three quizzes is equal to 15 maximum.

There are 3 quizzes throughout the term.

Referencing Style

- [American Psychological Association 7th Edition \(APA 7th edition\)](#)

Submission

Online

Submission Instructions

Online

Learning Outcomes Assessed

- Explain the embryologic processes that underpin anatomy, neuroanatomy and physiology of the human body.
- Describe the osteology, arthrology, myology, arterial supply, venous and lymphatic drainage and innervation of the limbs and trunk.
- Describe the actions of the muscles, individually and collectively, of the limbs and trunk.
- Apply your knowledge of anatomy, neuroanatomy and physiology to clinical case studies.

Graduate Attributes

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

2 Assessment 2: Online Practical Assessment

Assessment Type

Practical Assessment

Task Description

Students will be required to identify anatomical structures on labelled images/models and answer brief theoretical questions regarding the identified anatomical structures. This test is completely online. More details will be available on this unit's Moodle site.

Assessment Due Date

Week 12 Friday (31 May 2024) 5:00 pm AEST

It will be available on week 12 from Tuesday 8am to Friday 5pm

Return Date to Students

Review/Exam Week Friday (7 June 2024)

Marks will be available within 2 weeks of completion.

Weighting

35%

Minimum mark or grade

50%

Assessment Criteria

Marks will be allocated based on:

1. Accuracy of the answer

Referencing Style

- [American Psychological Association 7th Edition \(APA 7th edition\)](#)

Submission

Online

Learning Outcomes Assessed

- Identify on bones, models, images and the living subject, the structures forming the limbs and trunk.
- Describe the actions of the muscles, individually and collectively, of the limbs and trunk.

Graduate Attributes

- Communication
- Problem Solving
- Information Literacy

3 Assessment 3: Invigilated on campus test

Assessment Type

Online Test

Task Description

This will be based on the material covered in lectures, practical classes and quizzes from weeks 1-11. Students will be given a variety of question types, including short answers, diagram labelling, fill-in-the-missing descriptions, and clinical case scenarios. **This final test will be invigilated. This means you will complete the test in an assigned computer lab on campus.**

Please make sure you use correct spelling, as only British and American English spelling are accepted. More details will be available on this unit's Moodle site.

Assessment Due Date

Review/Exam Week Monday (3 June 2024) 11:00 am AEST
from 9 am to 11 am.

Return Date to Students

Review/Exam Week Friday (7 June 2024)
Within 1-2 weeks after exam is completed according to the uni policy.

Weighting

50%

Minimum mark or grade

50%

Assessment Criteria

No Assessment Criteria

Referencing Style

- [American Psychological Association 7th Edition \(APA 7th edition\)](#)

Submission

Online

Learning Outcomes Assessed

- Explain the embryologic processes that underpin anatomy, neuroanatomy and physiology of the human body.
- Describe the osteology, arthrology, myology, arterial supply, venous and lymphatic drainage and innervation of the limbs and trunk.
- Describe the actions of the muscles, individually and collectively, of the limbs and trunk.
- Apply your knowledge of anatomy, neuroanatomy and physiology to clinical case studies.

Graduate Attributes

- Communication
- Problem Solving
- 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