



CHIR12004 *Neuromusculoskeletal Anatomy 1*

Term 1 - 2018

Profile information current as at 16/05/2024 04:17 pm

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 & BMSC11002 Human Body Systems 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 - 2018

- Brisbane
- Mackay
- Melbourne
- Sydney

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. **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 1) The Unit performed very well, as demonstrated in the good unit evaluations. 2) Staff feedback included recommendations to standardise the Practical Exam as an online Assessment. 3) Student's asked for more user friendly online Lecture timing. 4) The Discipline has discussed a desire to see more Biomechanics and Functional ANatomy throughout the program.

Feedback

1) Overall success of the unit 2) staff feedback 3) student feedback 4) broader feedback

Recommendation

1) Unit coordinator will review current online lecturing delivery mode and times (via Zoom), in an effort towards even greater engagement those student who struggled to attend live Lectures. 2) All Practical Assessments to be standardised via an online delivery approach within Moodle. 3) Better 'live' lecture time(s) will be considered, providing time for increased student attendance / engagement 'online' 4) Biomechanics and more introductory / functional Anatomy will now begin early in the Foundations Streams.

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 - Examination - 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 - Examination - 50%	•	•		•						

Textbooks and Resources

Textbooks

CHIR12004

Prescribed

Anatomy : A Photographic Atlas

Edition: 8th edn (2015)

Authors: Rohen, J

Lippincott Williams and Wilkins

Philadelphia , PA , USA

ISBN: 9781451193183

Binding: Paperback

CHIR12004

Prescribed

Clinically Oriented Anatomy

Edition: 8th edn (2017)

Authors: Moore, KL, Dalley, AF & Agur, AMR

Lippincott Williams and Wilkins

Philadelphia , PA , USA

ISBN: 9781496347213

Binding: Paperback

CHIR12004

Supplementary

Gray's Anatomy for Students

Edition: 3rd ed (2014)

Authors: Drake, Vogel & Mitchell

Elsevier Health Sciences

London , UK

ISBN: 9780702051319

Binding: Paperback

CHIR12004

Supplementary

McMinn and Abrahams Clinical Atlas of Human Anatomy

Edition: 7th edn (2013)

Authors: Abrahams , Spratt , Loukas , Van Schoor

Elsevier Health Sciences

London , UK

ISBN: 9780723436973

Binding: Paperback

Additional Textbook Information

- The prescribed textbook and atlas will also be used in CHIR12008 - Neuromusculoskeletal Anatomy 2 in Term 2.
- Older editions may be adequate in terms of content, although chapter/page numbers may vary.
- The supplementary textbook and atlas are considered to be adequate alternatives to the prescribed textbook and atlas.

[View textbooks at the CQUniversity Bookshop](#)

IT Resources

You will need access to the following IT resources:

- CQUniversity Student Email
- Internet
- Unit Website (Moodle)
- Draw it to know it (available through library website)

Referencing Style

All submissions for this unit must use the referencing style: [American Psychological Association 6th Edition \(APA 6th edition\)](#)

For further information, see the Assessment Tasks.

Teaching Contacts

Dean Innis Unit Coordinator

d.innis@cqu.edu.au

Schedule

Week 1 - 05 Mar 2018

Module/Topic	Chapter	Events and Submissions/Topic
Overview	<ul style="list-style-type: none">• Moore: Introduction Chapter pg 1-47 PLUS <ul style="list-style-type: none">• Rohen: Chapter 1	

Week 2 - 12 Mar 2018

Module/Topic	Chapter	Events and Submissions/Topic
Shoulder - Osteology, Arthrology, Myology, Surface anatomy and Axilla	<ul style="list-style-type: none">• Moore Chapter 6 (pgs726 - 873) PLUS <ul style="list-style-type: none">• Rohen: Chapter 7	

Week 3 - 19 Mar 2018

Module/Topic	Chapter	Events and Submissions/Topic
Elbow - Osteology, Arthrology, Myology, Surface Anatomy and Cubital Fossa	<ul style="list-style-type: none">• Moore: Chapter 6 (pgs726 - 873) PLUS: <ul style="list-style-type: none">• Rohen: Chapter 7	

Week 4 - 26 Mar 2018

Module/Topic	Chapter	Events and Submissions/Topic
Wrist and Hand - Osteology, Arthrology, Myology, Surface Anatomy and Carpal Tunnel	<ul style="list-style-type: none">• Moore: Chapter 6 (pgs726 - 873) PLUS: <ul style="list-style-type: none">• Rohen: Chapter 7	

Week 5 - 02 Apr 2018

Module/Topic	Chapter	Events and Submissions/Topic
Neurovascular structures of the Upper Limb	<ul style="list-style-type: none">• Moore: Chapter 6 (pgs726 - 873) PLUS: <ul style="list-style-type: none">• Rohen: Chapter 7	

Vacation Week - 09 Apr 2018

Module/Topic	Chapter	Events and Submissions/Topic
--------------	---------	------------------------------

Week 6 - 16 Apr 2018

Module/Topic	Chapter	Events and Submissions/Topic
Hip - Osteology, Arthrology, Myology, Surface Anatomy and Femoral Triangle	<ul style="list-style-type: none">• Moore: Chapter 5 (pgs 555 - 707) PLUS: <ul style="list-style-type: none">• Rohen: Chapter 8	NB: Quiz 1 will be due the week after the Mid-term break. (Material assessed is Weeks 1-5) Quiz Open 16th April 6am Quiz Closes 22nd April 11:59pm This Quiz is worth 5% of your overall Grade

Week 7 - 23 Apr 2018

Module/Topic	Chapter	Events and Submissions/Topic
--------------	---------	------------------------------

Knee - Osteology, Arthrology, Myology, Surface Anatomy and Popliteal Fossa

- Moore: Chapter 5 (pgs 555 - 707)
- PLUS:
- Rohen: Chapter 8

Week 8 - 30 Apr 2018

Module/Topic	Chapter	Events and Submissions/Topic
Ankle and foot - Osteology, Arthrology, Myology, Surface Anatomy and Transitional Area(s)	<ul style="list-style-type: none"> • Moore: Chapter 5 (pgs 555 - 707) PLUS: • Rohen: Chapter 8 	

Week 9 - 07 May 2018

Module/Topic	Chapter	Events and Submissions/Topic
Neurovascular structures of the Lower Limb	<ul style="list-style-type: none"> • Moore: Chapter 5 (pgs 555 - 707) PLUS: • Rohen: Chapter 8 	

Week 10 - 14 May 2018

Module/Topic	Chapter	Events and Submissions/Topic
Trunk Wall and Embryology	<ul style="list-style-type: none"> • Moore: Chapter 1 (pgs 77 - 184) & 2 (194 - 337) PLUS: • Rohen: Chapter 3 	<p>NB: Quiz 2 (Material assessed Weeks 6-9)</p> <p>Quiz Open 14th May 6am</p> <p>Quiz Closes 20th May 11:59pm</p> <p>This Quiz is worth 5% of your overall Grade</p>

Week 11 - 21 May 2018

Module/Topic	Chapter	Events and Submissions/Topic
Trunk wall and Embryology	<ul style="list-style-type: none"> • Moore: Chapter 1 (pgs 77 - 184) & 2 (194 - 337) PLUS: • Rohen: Chapter 3 	

Week 12 - 28 May 2018

Module/Topic	Chapter	Events and Submissions/Topic
Revision	Revision	<p>NB: Quiz 3 (Material assessed Weeks 10-12)</p> <p>Quiz Open 28th May 6am</p> <p>Quiz Closes 3rd June 11:59pm</p> <p>This Quiz is worth 5% of your overall Grade</p> <p>Online Practical Assessment Due: Week 12 Friday (1 June 2018) 11:59 pm AEST</p>

Review/Exam Week - 04 Jun 2018

Module/Topic	Chapter	Events and Submissions/Topic

Exam Week - 11 Jun 2018

Module/Topic	Chapter	Events and Submissions/Topic

Assessment Tasks

1 Online Quizzes

Assessment Type

Online Quiz(zes)

Task Description

There will be three online quizzes administered via Moodle. Each will be available for approximately 1 week. There will

be no extension due to unforeseen technical problems or Internet connectivity, so please do not leave it to the end of the week to do it. Each online quiz will be based on the material covered in lectures, tutorials and practical classes in the weeks as outlined below. Students will be allowed one attempt only for each online quiz, which must be completed within the allotted time.

- **Online Quiz 1** covers anatomy of the upper limb (i.e. material from Weeks 1-5) and is worth 5%
- **Online Quiz 2** covers anatomy of the lower limb (i.e. material from Weeks 6-9) and is worth 5%
- **Online Quiz 3** covers anatomy of the trunk wall (i.e. material from Weeks 10-12) and is worth 5%

Number of Quizzes

3

Frequency of Quizzes

Other

Assessment Due Date

Quiz 1 due by 22 April 11:59pm; Quiz 2 by 20 May 11:59pm and Quiz 3 by 3 June 11:59pm (see details in Unit Profile)

Return Date to Students

Results with feedback for each online quiz will be released immediately after their respective due dates.

Weighting

15%

Minimum mark or grade

50%

Assessment Criteria

As each question in the quizzes are objective in style (e.g. multiple choice), answers will be automatically marked as either correct or incorrect. Some questions will require you to demonstrate a knowledge of facts, while others will require the use of interpretive or analytical skills.

Referencing Style

- [American Psychological Association 6th Edition \(APA 6th edition\)](#)

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
- Information Technology Competence

2 Online Practical Assessment

Assessment Type

Practical Assessment

Task Description

This will be based on the material covered in lectures, practical classes, quizzes and any assigned homework from Weeks 1-12. Students will be required to identify anatomical structures on labelled (eg: 1,2,a,b,C,,D) online images / models and answer brief theoretical questions regarding the identified anatomical structures. All answers will be within an online purpose-made answer-sheet. The assessment will take approximately one hour.

More details will be available on this subject's Moodle site.

Assessment Due Date

Week 12 Friday (1 June 2018) 11:59 pm AEST

The test will be conducted during your designated practical class in week 12.

Return Date to Students

Marks will be available within 1 week of the exam.

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 6th Edition \(APA 6th edition\)](#)

Submission

Online

Submission Instructions

The test will be conducted in class time.

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

Examination

Outline

Complete an invigilated examination.

Date

During the examination period at a CQUniversity examination centre.

Weighting

50%

Length

120 minutes

Minimum mark or grade

45%

Exam Conditions

Closed Book.

Materials

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