



# CHIR12004 *Neuromusculoskeletal Anatomy 1*

## Term 1 - 2022

Profile information current as at 04/05/2024 04:28 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 - 2022

- Brisbane
- Mackay

#### 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 Student feedback

##### Feedback

Students enjoyed the practical component of the unit. They found the on-campus tutors supportive and knowledgeable.

##### Recommendation

On-campus tutors will continue to be experts in the field and provide a supportive environment.

#### Feedback from Student feedback

##### Feedback

Students appreciated that lectures were broken down into smaller videos.

##### Recommendation

Lectures will continue to be delivered as multiple short videos.

#### Feedback from Have your say

##### Feedback

Students have asked for more cadaver-based images to be included.

##### Recommendation

An additional optional text will be included that has a wide range of cadaver images to reference.

#### Feedback from Self-reflection

##### Feedback

Students were unsure around academic integrity given assessment was online.

##### Recommendation

Initiate sessions from the beginning of term to present information about acceptable behavior when completing the online assessments.

## 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

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

**Alannah Van Waveren** Unit Coordinator

[a.vanwaveren@cqu.edu.au](mailto:a.vanwaveren@cqu.edu.au)

## Schedule

### Week 1 - 07 Mar 2022

Module/Topic	Chapter	Events and Submissions/Topic
Overview / Review	Chapter 1	

### Week 2 - 14 Mar 2022

Module/Topic	Chapter	Events and Submissions/Topic
The Shoulder	Chapter 3	

### Week 3 - 21 Mar 2022

Module/Topic	Chapter	Events and Submissions/Topic
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The Elbow Chapter 3

#### Week 4 - 28 Mar 2022

Module/Topic	Chapter	Events and Submissions/Topic
The Wrist and Hand	Chapter 3	

#### Week 5 - 04 Apr 2022

Module/Topic	Chapter	Events and Submissions/Topic
Neurovascular Structures of the Upper Limb	Chapter 3	Online Quiz 1 opens in Week 5, Friday, 17:00 AEST.

#### Vacation Week - 11 Apr 2022

Module/Topic	Chapter	Events and Submissions/Topic
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#### Week 6 - 18 Apr 2022

Module/Topic	Chapter	Events and Submissions/Topic
The Hip	Chapter 6	Online Quiz 1 closes in Week 6, Friday, 17:00 AEST.

#### Week 7 - 25 Apr 2022

Module/Topic	Chapter	Events and Submissions/Topic
The Knee	Chapter 7	

#### Week 8 - 02 May 2022

Module/Topic	Chapter	Events and Submissions/Topic
The Ankle and Foot	Chapter 7	

#### Week 9 - 09 May 2022

Module/Topic	Chapter	Events and Submissions/Topic
Neurovascular Structures of the Lower Limb	Chapter 7	Online Quiz 2 opens in Week 9, Friday, 17:00 AEST.

#### Week 10 - 16 May 2022

Module/Topic	Chapter	Events and Submissions/Topic
The Trunk Wall	Chapter 5	Online Quiz 2 closes in Week 10, Friday, 17:00 AEST.

#### Week 11 - 23 May 2022

Module/Topic	Chapter	Events and Submissions/Topic
Embryology		

#### Week 12 - 30 May 2022

Module/Topic	Chapter	Events and Submissions/Topic
		Online Quiz 3 opens in Week 12, Friday, 17:00 AEST.
Revision		<b>Online Practical Assessment</b> Due: Week 12 Friday (3 June 2022) 11:45 pm AEST

#### Review/Exam Week - 06 Jun 2022

Module/Topic	Chapter	Events and Submissions/Topic
		Online Quiz 3 closes in Review Week, Friday, 17:00 AEST.

#### Exam Week - 13 Jun 2022

Module/Topic	Chapter	Events and Submissions/Topic
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## Term Specific Information

The Unit Coordinator is Dr. Alannah van Waveren (a.vanwaveren@cqu.edu.au; tel: 0749309441). The lectures are pre-recorded lectures and made available on the Moodle site throughout the term. There are weekly tutorial classes that you are expected to attend on your enrolled campus.

Please be aware that Assessment item 3- the invigilated on campus test will be held on your enrolled campus. Details will be released close to the test day.

## Assessment Tasks

### 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. There will be three separate online quizzes to assess your knowledge of the unit material.
2. Each quiz will have 15 questions.
3. You will be allowed ONE attempt at each quiz.
4. Your score from each quiz will contribute 5% to your final grade (3 quizzes x 5% = 15%).
5. 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/Quiz Opens	Time/Quiz Closes
Online Quiz 1	Week 1-5	Week 5, Friday, 17:00 AEST	Week 6, Friday, 17:00 AEST
Online Quiz 2	Week 6-9	Week 9, Friday, 17:00 AEST	Week 10, Friday, 17:00 AEST
Online Quiz 3	Week 10-12	Week 12, Friday, 17:00 AEST	Review Week, Friday, 17:00 AEST

#### Number of Quizzes

3

#### Frequency of Quizzes

Other

#### Assessment Due Date

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

#### Return Date to Students

Please refer to the Moodle site for the assessment return date

#### Weighting

15%

#### Minimum mark or grade

50%

#### Assessment Criteria

Questions will be automatically marked correct or incorrect. The maximum score (45) that can be accumulated from the three Online Quizzes equals 15% of the total unit marks.

#### 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 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 labeled 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 (3 June 2022) 11:45 pm AEST

### Return Date to Students

Marks will be available within 1 week 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 Invigilated on campus test

### Assessment Type

Online Test

### 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 given a variety of question types including short answers, diagram labeling, 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 your enrolled campus.**

Ensure 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**

**Return Date to Students**

**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