



CHIR12008 Neuromusculoskeletal Anatomy 2

Term 2 - 2023

Profile information current as at 14/05/2024 07:15 am

All details in this unit profile for CHIR12008 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 anatomy taught in Human Anatomy and physiology 1 and 2 (BMSC11010 and BMSC11011), as well as Neuromusculoskeletal Anatomy 1 (CHIR12004). 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. The focus for this unit is neuroanatomy and the anatomy of the head and neck region.

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

Prerequisites BMSC11010 Human Anatomy and Physiology 1 and BMSC11011 Human Anatomy and Physiology 2
20RBMSC11001 Human Body Systems 1 and 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 2 - 2023

- 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 SUTE

Feedback

Students indicated that additional revision quizzes would assist in their learning.

Recommendation

It is recommended that additional formative quizzes be made available to assist students with their learning.

Feedback from SUTE

Feedback

Students found the unit requirements were confusing.

Recommendation

It is recommended that the unit requirements be reviewed for clarity.

Feedback from Verbal Student Feedback

Feedback

Students would appreciate more realistic resources for the tutorial class learning experience.

Recommendation

It is recommended that alternative resources for the tutorial learning experience be explored.

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 head and neck region
3. Describe the structure, function and integration of components within the central and peripheral nervous system
4. Identify, where appropriate, using bones, models, images and/or the living subject, the structures forming the nervous system and the head and neck region
5. Apply your knowledge of anatomy, neuroanatomy and physiology to clinical case studies.

Alignment of Learning Outcomes, Assessment and Graduate Attributes

 N/A Level	 Introductory Level	 Intermediate Level	 Graduate Level	 Professional Level	 Advanced Level
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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					

Textbooks and Resources

Textbooks

CHIR12008

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

CHIR12008

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

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

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Dawn Dane Unit Coordinator

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Schedule

Week 1 - 10 Jul 2023

Module/Topic	Chapter	Events and Submissions/Topic
Introduction to the unit Osteology and arthrology of head and neck	Relevant pages from Chapters 8 and 9	

Week 2 - 17 Jul 2023

Module/Topic	Chapter	Events and Submissions/Topic
Myology of head and neck	Relevant pages from Chapters 8 and 9	

Week 3 - 24 Jul 2023

Module/Topic	Chapter	Events and Submissions/Topic
Meninges Vascular features of the head and neck (arterial supply, venous drainage, and lymphatic drainage)	Relevant pages from Chapters 8 and 9	Online Quiz 1 opens in Week 3, Friday, 17:00 AEST.

Week 4 - 31 Jul 2023

Module/Topic	Chapter	Events and Submissions/Topic
Review of the nervous system	Please refer to the lecture slides and recordings	Online Quiz 1 closes in Week 4, Friday, 17:00 AEST.

Week 5 - 07 Aug 2023

Module/Topic	Chapter	Events and Submissions/Topic
Sensory and motor pathways	Please refer to the lecture slides and recordings	

Vacation Week - 14 Aug 2023

Module/Topic	Chapter	Events and Submissions/Topic
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Week 6 - 21 Aug 2023

Module/Topic	Chapter	Events and Submissions/Topic
Nerve supply of head and neck: Part 1	Relevant pages from Chapters 8, 9 and 10	

Week 7 - 28 Aug 2023

Module/Topic	Chapter	Events and Submissions/Topic
Nerve supply of head and neck: Part 2	Relevant pages from Chapters 8, 9 and 10	Online Quiz 2 opens in Week 7, Friday, 17:00 AEST

Week 8 - 04 Sep 2023

Module/Topic	Chapter	Events and Submissions/Topic
Nasal cavity and paranasal sinuses Oral cavity, tongue, and palate Pharynx, larynx and thyroid gland	Relevant pages from Chapters 8 and 9	Online Quiz 2 closes in Week 8, Friday, 17:00 AEST

Week 9 - 11 Sep 2023

Module/Topic	Chapter	Events and Submissions/Topic
Eye and vision Ear, hearing, and equilibrium	Relevant pages from Chapter 8	

Week 10 - 18 Sep 2023

Module/Topic	Chapter	Events and Submissions/Topic
The anatomy and physiology of pain	Please refer to both the lecture slides and recordings	Online Quiz 3 opens in Week 10, Friday, 17:00 AEST

Week 11 - 25 Sep 2023

Module/Topic	Chapter	Events and Submissions/Topic
		Online Quiz 3 closes in Week 11, Friday, 17:00 AEST
Revision Week		Online Objective Structured Practical Exam (OSPE) Due: Week 11 Thursday (28 Sept 2023) 4:00 pm AEST

Week 12 - 02 Oct 2023

Module/Topic	Chapter	Events and Submissions/Topic
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Revision Week

**Online Practical Assessment open
Week 11, Friday, 00:00 and closes
11:59pm**

Review/Exam Week - 09 Oct 2023

Module/Topic

Chapter

Events and Submissions/Topic

Invigilated on campus test Due:
Review/Exam Week Friday (13 Oct
2023) 11:45 pm AEST

Exam Week - 16 Oct 2023

Module/Topic

Chapter

Events and Submissions/Topic

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 1-3	Week 3, Friday, 17:00 AEST	Week 4, Friday, 17:00 AEST
Online Quiz 2	Week 4-7	Week 7, Friday, 17:00 AEST	Week 8, Friday, 17:00 AEST
Online Quiz 3	Week 8-10	Week 10, Friday, 17:00 AEST	Week 11, Friday, 17:00 AEST

Number of Quizzes

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

Results will be provided not more than 2 weeks after each quiz closes.

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

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 head and neck region
- Describe the structure, function and integration of components within the central and peripheral nervous system
- Apply your knowledge of anatomy, neuroanatomy and physiology to clinical case studies.

Graduate Attributes

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

2 Online Objective Structured Practical Exam (OSPE)

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 assessment is completely online. More details will be available on this unit's Moodle site.

Assessment Due Date

Week 11 Thursday (28 Sept 2023) 4:00 pm AEST

The OSPE will open at 8am on Tuesday of week 11 and close at 4pm on the same day

Return Date to Students

Review/Exam Week Monday (9 Oct 2023)

Results will be returned to students within 2 weeks.

Weighting

35%

Minimum mark or grade

50%

Assessment Criteria

Students will be assessed on their ability to correctly identify anatomical structures and demonstrate correct theoretical knowledge of the structures provided.

Referencing Style

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

Submission

Online

Learning Outcomes Assessed

- Identify, where appropriate, using bones, models, images and/or the living subject, the structures forming the nervous system and the head and neck region

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 answer, diagram labelling, and fill in the missing descriptions. This final assessment will be invigilated.

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

Review/Exam Week Friday (13 Oct 2023) 11:45 pm AEST

Students will need to consult the timetable for specific date, time and location for this assessment.

Return Date to Students

Exam Week Monday (16 Oct 2023)

Results will be returned within 2 weeks of the assessment taking place.

Weighting

50%

Minimum mark or grade

50%

Assessment Criteria

Students will be assessed on their ability to provide the correct answers to the questions posed to them in this assessment.

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 head and neck region
- Describe the structure, function and integration of components within the central and peripheral nervous system
- 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