



CHIR12007 Clinical Assessment and Diagnosis 1

Term 1 - 2019

Profile information current as at 07/05/2024 04:25 pm

All details in this unit profile for CHIR12007 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 prepares you to assess and test for neurological conditions with its focus on clinical neuroanatomy and application to professional chiropractic practice. Following a review of neuroanatomy, you will be introduced to common neurological conditions and basic neurological physical assessments. You will learn to identify the pathophysiology of neurological symptoms and basic neuropathology. Within the practical lab sessions, you will learn the techniques to competently assess neurological conditions through the use of simple case scenarios.

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: CHIR12008 Neuromusculoskeletal Anatomy 2 and BMSC12007 Neurological Physiology and Measurement and MPAT12001 Medical Pathophysiology

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 - 2019

- Brisbane
- Mackay
- 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. **On-campus Activity**

Weighting: Pass/Fail

2. **Objective Structured Clinical Examinations (OSCEs)**

Weighting: 60%

3. **Examination**

Weighting: 40%

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 Direct student feedback.

Feedback

Earlier inclusion of cranial nerve based aspects, and testing, in the delivery material.

Recommendation

Modifications and editing to the overall flow, with more practical exposure, can be done to prepare, instill a greater sense of understanding and a level of expected knowledge in the basics of neurology.

Feedback from Direct student feedback.

Feedback

Varied versions of video resources and some overlap with material from other units.

Recommendation

In 2018, the unit was developed with videos and resources mirrored from the Advanced Neurology unit. Students found this to be distracting and so more consistency - acquiring or using other resources - will be investigated with the ultimate goal to have introductory and more advanced video resources. Undoubtedly more delineation, integration and refinement can be achieved.

Unit Learning Outcomes

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

1. Perform basic neurological examination and interpret neuromusculoskeletal dysfunctions and differential diagnoses pertinent to case presentations.
2. Develop a diagnosis for neurological presentations by drawing upon the case history information and your knowledge of neuroanatomy and neurophysiology.
3. Interpret the neurophysiology of pain and how pathological processes could affect neurological structure and function.

Alignment of Learning Outcomes, Assessment and Graduate Attributes



Alignment of Assessment Tasks to Learning Outcomes

Assessment Tasks	Learning Outcomes		
	1	2	3
1 - On-campus Activity - 0%	•	•	•
2 - Objective Structured Clinical Examinations (OSCEs) - 60%	•		
3 - Examination - 40%	•	•	•

Alignment of Graduate Attributes to Learning Outcomes

Graduate Attributes	Learning Outcomes		
	1	2	3
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 - On-campus Activity - 0%	•	•			•					
2 - Objective Structured Clinical Examinations (OSCEs) - 60%	•	•	•					•		
3 - Examination - 40%		•	•	•						

Textbooks and Resources

Textbooks

CHIR12007

Prescribed

Neurological Examination Made Easy

5th Edition (2013)

Authors: Geraint Fuller

Churchill Livingstone Elsevier Ltd.

Gloucester, United Kingdom

ISBN: 978-0-7020-5177-7

Binding: Paperback

Additional Textbook Information

Paper copies are available at the CQUni Bookshop here: <http://bookshop.cqu.edu.au> (search on the Unit code)

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

For further information, see the Assessment Tasks.

Teaching Contacts

David Hannah Unit Coordinator

d.hannah@cqu.edu.au

Schedule

Week 1 - 11 Mar 2019

Module/Topic	Chapter	Events and Submissions/Topic
Lecture: Introduction to Clinical Assessment and Diagnosis 1 and unit expectations; The Neurological History Practical: Introduction to Neurological History and General Observation	Fuller, Geraint, " <i>Neurological Examination Made Easy, 5th Edition</i> ". pages 5-14	

Week 2 - 18 Mar 2019

Module/Topic	Chapter	Events and Submissions/Topic
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Lecture: Introduction to SMR Upper Limbs; Motor System in General including Tone; Motor Evaluation of Upper Limb; Sensory and Reflex Evaluation of Upper Limb
 Practical: Examination of Upper Limb SMR

Fuller, Geraint, "*Neurological Examination Made Easy, 5th Edition*".
pages 111-128; 155-158

Week 3 - 25 Mar 2019

Module/Topic	Chapter	Events and Submissions/Topic
Lecture: Introduction to SMR Lower Limbs; Motor System in General including Tone; Motor Evaluation of Lower Limb; Sensory and Reflex Evaluation of Lower Limb Practical: Examination of Lower Limb SMR	Fuller, Geraint, " <i>Neurological Examination Made Easy, 5th Edition</i> ". pages 129-142; 160-172	

Week 4 - 01 Apr 2019

Module/Topic	Chapter	Events and Submissions/Topic
Lecture: Introduction to Peripheral Nerve Evaluation and Assessment; Pathological Reflex Evaluation Practical: Examination of Peripheral Nerves Upper, Lower Limbs; Pathological reflexes	Fuller, Geraint, " <i>Neurological Examination Made Easy, 5th Edition</i> ". pages 142-153	

Week 5 - 08 Apr 2019

Module/Topic	Chapter	Events and Submissions/Topic
Lecture: Introduction to Superficial and Visceral Reflex Evaluation; Neurological Gait patterns Practical: Mid-Term OSCE	Fuller, Geraint, " <i>Neurological Examination Made Easy, 5th Edition</i> ". pages 37-41; 186-193	Mid-Term OSCE Week 5 during regularly scheduled lab time for your campus.

Vacation Week - 15 Apr 2019

Module/Topic	Chapter	Events and Submissions/Topic
Break/Study Week		

Week 6 - 22 Apr 2019

Module/Topic	Chapter	Events and Submissions/Topic
Lecture: Introduction to Cranial Nerves I, II, III, IV and VI Practical: Review of Mid-Term OSCE; Cranial Nerve examinations I, II, III, IV and VI.	Fuller, Geraint, " <i>Neurological Examination Made Easy, 5th Edition</i> ". pages 43-47	

Week 7 - 29 Apr 2019

Module/Topic	Chapter	Events and Submissions/Topic
Lecture: Introduction to Cranial Nerves V, VII, VIII Practical: Cranial Nerve Examinations CN V, VII and VIII. Review previous cranial nerves.	Fuller, Geraint, " <i>Neurological Examination Made Easy, 5th Edition</i> ". pages 92-103	

Week 8 - 06 May 2019

Module/Topic	Chapter	Events and Submissions/Topic
Lecture: Introduction to Cranial Nerve IX, X, XI and XII Practical: Cranial Nerve Examinations CN IX, X, XI, and XII. Review previous cranial nerves.	Fuller, Geraint, " <i>Neurological Examination Made Easy, 5th Edition</i> ". pages 104-110	

Week 9 - 13 May 2019

Module/Topic	Chapter	Events and Submissions/Topic
Lecture: Assessing Cerebellar Coordination, Posterior Column and Meningeal Irritation Practical: Cerebellar and Posterior Column examinations	Fuller, Geraint, " <i>Neurological Examination Made Easy, 5th Edition</i> ". pages 173-184	
Week 10 - 20 May 2019		
Module/Topic	Chapter	Events and Submissions/Topic
Lecture: Assessment of the Autonomic Nervous System (ANS) and Primitive Reflexes Practical: Superficial, visceral and gait assessments.	Fuller, Geraint, " <i>Neurological Examination Made Easy, 5th Edition</i> ". pages 186-189; 194-196	
Week 11 - 27 May 2019		
Module/Topic	Chapter	Events and Submissions/Topic
Lecture: Review Practical: Revision for the Final OSCE	None	On-Campus Activity Due: Week 11 Friday (31 May 2019) 5:00 pm AEST
Week 12 - 03 Jun 2019		
Module/Topic	Chapter	Events and Submissions/Topic
Lecture: None Practical: Final OSCE	None	FINAL OSCE Monday June 3, 2019 8:00 - 11:00 AM OSCE - Includes Mid-Term and Final Due: Week 12 Friday (7 June 2019) 5:00 pm AEST
Review/Exam Week - 10 Jun 2019		
Module/Topic	Chapter	Events and Submissions/Topic
Exam Week - 17 Jun 2019		
Module/Topic	Chapter	Events and Submissions/Topic

Term Specific Information

Unit Coordinator for CHIR12007 CAD1 is:

MKY: David Hannah (07) 4940 7514

Tutors or Contact:

SYD: Dean Innis (02) 9324 5025

BNE: Andy Dane (07) 3023 4270

Assessment Tasks

1 On-Campus Activity

Assessment Type

On-campus Activity

Task Description

You will be required to participate in weekly on-campus activities, with each activity signed-off on the on-campus form. You will be expected to review the material presented for that week prior to class. The activities will be graded on a "Pass/Fail" basis with participation in at least 8 activities in order to receive a "Pass" grade. At the end of the term, the completed on-campus activity form will be submitted to the unit coordinator.

Assessment Due Date

Week 11 Friday (31 May 2019) 5:00 pm AEST

Tutors should be able to provide immediate feedback when requested throughout the term. Last on-campus activity, requiring attendance, is scheduled in week 11 so needs to be completed by the end of that week and handed to the tutor.

Return Date to Students

Week 12 Friday (7 June 2019)

These activities are formative in nature and will be listed as "pass/fail" and can be accessed via Moodle.

Weighting

Pass/Fail

Minimum mark or grade

PASS. You will be required to have a minimum of 80% completion of on-campus activities.

Assessment Criteria

The on-campus activity goals are to prepare you to learn the material. There will not be a specific marking rubric for these activities but they will depend upon your interactive participation. You will receive a PASS/FAIL for the activities, regardless of the practical OSCE and Final Examination results.

Referencing Style

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

Submission

No submission method provided.

Learning Outcomes Assessed

- Perform basic neurological examination and interpret neuromusculoskeletal dysfunctions and differential diagnoses pertinent to case presentations.
- Develop a diagnosis for neurological presentations by drawing upon the case history information and your knowledge of neuroanatomy and neurophysiology.
- Interpret the neurophysiology of pain and how pathological processes could affect neurological structure and function.

Graduate Attributes

- Communication
- Problem Solving
- Team Work

2 OSCE - Includes Mid-Term and Final

Assessment Type

Objective Structured Clinical Examinations (OSCEs)

Task Description

There will be a mid-term OSCE in week 5 consisting of one station and an end of term final OSCE in week 12 consisting of multiple stations. The week 5 OSCE is worth **20%** and Final OSCE **40%** of the total grade for the unit.

Mid-Term OSCE - Week 5 - The tasks will be allocated to you randomly according to a series of previously composed cards.

The task will be to demonstrate basic competence in performing a correct approach or technique with appropriate patient handling.

1. Perform an SMR (sensory, motor, reflex) assessment of a particular nerve root (upper or lower limb).
2. Perform a pathological reflex and a specific nerve tension test.

FINAL OSCE - Week 12 - The tasks will be allocated to you randomly according to a series of previously composed station cards.

Station 1 - SMR Upper and Lower Limb: The task will be to demonstrate competence in performing a correct approach or technique with appropriate patient handling.

1. Perform an SMR assessment of an upper AND lower nerve roots.

Station 2 - Cranial Nerve: The task will be to demonstrate competence in performing a correct approach or technique with appropriate patient handling.

1. Perform a Cranial Nerve assessment of your patient (minimum 3 will be selected).

Station 3 - Cerebellar/Coordination: The task will be to demonstrate competence in performing a correct approach or technique with appropriate patient handling.

1. Perform a focused cerebellar/coordination assessment of your patient.

Assessment Due Date

Week 12 Friday (7 June 2019) 5:00 pm AEST

Mid-Term will be performed during the week 5 practical class time. The Final OSCE will be scheduled and will occur during week 12.

Return Date to Students

Review/Exam Week Friday (14 June 2019)

Non-endorsed results can be accessed via Moodle Gradebooks but only until immediately before the written examination, at which time it will no longer be viewed. The OSCE results will be released at the same time as the final written examination.

Weighting

60%

Minimum mark or grade

50%. You will need to obtain this minimum percentage on the practical portion in order to pass this unit.

Assessment Criteria**Mid-Term and Final OSCE Assessment Criteria:**

You will need to demonstrate basic competence in evaluating for a neurological assessment in an applied context. Your performance will be graded, using a marking rubric, according to the following: appropriate findings noted; understanding of technique application; technical performance, patient handling and the examiner's overall impression.

Referencing Style

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

Submission

No submission method provided.

Learning Outcomes Assessed

- Perform basic neurological examination and interpret neuromusculoskeletal dysfunctions and differential diagnoses pertinent to case presentations.

Graduate Attributes

- Communication
- Problem Solving
- Critical Thinking
- Ethical practice

Examination

Outline

Complete an invigilated examination.

Date

During the examination period at a CQUniversity examination centre.

Weighting

40%

Length

120 minutes

Minimum mark or grade

50%. You will need to obtain this minimum percentage on the written portion in order to pass this unit. Further information can be found in Moodle.

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