



CHIR12007 Clinical Assessment and Diagnosis 1

Term 1 - 2018

Profile information current as at 23/04/2024 07:12 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 - 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. **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 student feedback

Feedback

Learning neurological techniques on an anatomical basis is good.

Recommendation

Continue with anatomically based learning with clinically relevant information presented by the lecturer.

Feedback from student feedback

Feedback

Lack of consistency between tutors at different campuses and the lecturer on important elements

Recommendation

In the future the unit coordination will be undertaken by an ongoing, rather than casual staff member. This will provide for greater opportunity to communicate with teaching staff and to ensure consistency in teaching and assessment content and method.

Feedback from staff and student feedback

Feedback

Too much information which does not seem to fit in with the unit profile.

Recommendation

A review of the content and sequencing in this unit will be undertaken by the HOC and modified if deemed necessary.

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%	•		

Assessment Tasks	Learning Outcomes		
	1	2	3
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: Fuller, Geraint

Elsevier/Churchill Livingstone

London, UK

ISBN: 978-0-7020517-7-7

Binding: Paperback

Additional Textbook Information

1. Students can access eBook ISBN: 978-0-7020569-0-1 or download free at:

https://www.google.com.au/search?q=neurology+made+easy.&rlz=1C1GGRV_enAU751AU752&oq=neurology+made+easy.&aqs=chrome..69i57j0l5.4263j0j8&sourceid=chrome&ie=UTF-8 2. However if you prefer a paper copy, you can order one at the CQUni Bookshop here: <http://bookshop.cqu.edu.au>

[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 - 05 Mar 2018

Module/Topic	Chapter	Events and Submissions/Topic
Lecture: Introduction to Clinical Assessment and Diagnosis 1 and unit expectations; The Neurological History; Symptoms and Signs; Neurological Observation Practical: Lab induction; Review of Hygiene and Consent; Case Scenarios to introduce Neurological History and General Observation	Fuller, Geraint, " <i>Neurological Examination Made Easy, 5th Edition</i> ", pages 5 -12	On-Campus Activity:-

Week 2 - 12 Mar 2018

Module/Topic	Chapter	Events and Submissions/Topic
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Lecture: Components of neurological physical examination; Physical assessment - general observation and overview of neurological examination of limbs
 Practical: Physical Assessment - General Observation; Review of Surface Anatomy and Musculature

Fuller, Geraint, "*Neurological Examination Made Easy, 5th Edition*", **chapter 1 pages 12-14; chapter 2 pages 15-22; chapter 3 pages 23-36**

On-Campus Activity:-

Week 3 - 19 Mar 2018

Module/Topic

Lecture: UMNL versus LMNL; dermatomes versus myotomes; significance of signs elicited on general observation
 Practical: Examining the upper limbs - motor system

Chapter

Fuller, Geraint, "*Neurological Examination Made Easy, 5th Edition*"; **chapter 15/16 pages 111-117; chapter 17 pages 118-128; chapter 20 pages 148-154**

Events and Submissions/Topic

On-Campus Activity:-

Week 4 - 26 Mar 2018

Module/Topic

Lecture: Assessing the higher centres and speech assessment - an overview
 Practical: Examination of upper limbs - reflexes and sensory

Chapter

Fuller, Geraint, "*Neurological Examination Made Easy, 5th Edition*"; **chapter 19 pages 145-147; chapter 21 pages 155-166;**

Events and Submissions/Topic

On-Campus Activity:-

Week 5 - 02 Apr 2018

Module/Topic

Lecture: Significance of signs elicited on examination of upper limbs
 Practical: Examination of lower limbs - motor

Chapter

Fuller, Geraint, "*Neurological Examination Made Easy, 5th Edition*"; **chapter 15/16 pages 111-117; chapter 17 pages 118-128; chapter 22 pages 167-172**

Events and Submissions/Topic

On-Campus Activity:-

Vacation Week - 09 Apr 2018

Module/Topic

Chapter

Events and Submissions/Topic

Week 6 - 16 Apr 2018

Module/Topic

Lecture: Significance of signs elicited on examination of lower limbs
 Practical: Examination of lower limbs - reflexes and sensory

Chapter

Fuller, Geraint, "*Neurological Examination Made Easy, 5th Edition*"; **chapter 18 pages 129-142**

Events and Submissions/Topic

On-Campus Activity:-

Week 7 - 23 Apr 2018

Module/Topic

Lecture: Cranial Nerve Examination 1
 Practical:
 Mid-Term OSCE

Chapter

Fuller, Geraint, "*Neurological Examination Made Easy, 5th Edition*"; **chapter 5 pages 43-47**

Events and Submissions/Topic

On-Campus Activity:-

Extra time scheduled to accommodate for Mid-Term OSCE by Friday April 27, 2018

Week 8 - 30 Apr 2018

Module/Topic

Lecture: Cranial Nerve Examination 2
 Practical: Cranial Nerve Examinations CR I, II, III, IV and VI

Chapter

Fuller, Geraint, "*Neurological Examination Made Easy, 5th Edition*"; **chapter 6-10 pages 47-91**

Events and Submissions/Topic

On-Campus Activity:-

Week 9 - 07 May 2018

Module/Topic

Lecture: Cranial Nerve Examination 3
 Practical: Cranial Nerve Examinations CR V, VII, VIII

Chapter

Fuller, Geraint, "*Neurological Examination Made Easy, 5th Edition*"; **chapter 11-12 pages 92-103**

Events and Submissions/Topic

On-Campus Activity:-

Week 10 - 14 May 2018

Module/Topic	Chapter	Events and Submissions/Topic
Lecture: Assessing co-ordination and for meningeal irritation Practical: Cranial Nerve Examinations CR IX, X and XII Cranial nerves IX, X, XI and XII	Fuller, Geraint, " <i>Neurological Examination Made Easy, 5th Edition</i> "; chapter 13-14 pages 92-110	On-Campus Activity:- Revision of practical lab material

Week 11 - 21 May 2018

Module/Topic	Chapter	Events and Submissions/Topic
Lecture: Assessment of the ANS Practical: Assessing co-ordination (cerebellar function and basal ganglia function); Revision for Final OSCE	Fuller, Geraint, " <i>Neurological Examination Made Easy, 5th Edition</i> "; chapter 23-24 pages 173-184	Practice OSCE On-Campus Activity Due: Week 11 Friday (25 May 2018) 5:00 pm AEST

Week 12 - 28 May 2018

Module/Topic	Chapter	Events and Submissions/Topic
Lectures: None Practical: Final OSCE		FINAL OSCE will be scheduled at TBA (to-be-announced) specified date that will be consistent across all campuses. OSCE - Includes Mid-Term and Final Due: Week 12 Friday (1 June 2018) 5:00 pm AEST

Review/Exam Week - 04 Jun 2018

Module/Topic	Chapter	Events and Submissions/Topic
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Exam Week - 11 Jun 2018

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

Unit coordinator for CHIR12007 is David W Hannah at the Mackay campus. (07) 4940 7514
Tutors are: Sydney Sharyn Eaton (02) 9324 5016
Brisbane Andrew Dane (07) 3023 4270

Assessment Tasks

1 On-Campus Activity

Assessment Type

On-campus Activity

Task Description

Task Description

You will be required to participate in weekly on campus activities throughout the unit. Your participation will require you to have reviewed the material taught in the previous week. The activities will be graded on a pass/fail basis and you are required to have participated in at least 8 activities in order to receive a pass grade for the unit.

Assessment Due Date

Week 11 Friday (25 May 2018) 5:00 pm AEST

Tutors should be able to provide immediate feedback when requested throughout the term.

Return Date to Students

Week 12 Friday (1 June 2018)

Tutor or coordinator to provide verbal formative feedback as required.

Weighting

Pass/Fail

Assessment Criteria

The on-campus activities are formative in nature and will assist in preparing you to learn the material throughout this term.

There will not be a specific marking rubric for each activity, but it will depend upon your interactive participation (i.e. attendance)

You will receive a PASS/FAIL for all the activities which is **required** to continue to CHIR20001 in Term 1 of the Masters Program - regardless of the OSCE practical 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 7 consisting of one station and an end of term OSCE in week 12 which will consist of multiple stations. The week 7 OSCE will be worth 25% and end of term 35% of the total grade for the unit.

Mid-Term OSCE - Week 7

Station 1 - The task will be to demonstrate competence in performing a correct approach or technique, with appropriate patient handling. You will be required to correlate your findings by sharing them with the examiner:

1. Perform an SMR (sensory, motor, reflex) assessment of a particular nerve root (upper and/or lower limb).

FINAL OSCE - Week 12

Station 1 - SMR Upper/Lower Limb: The task will be to demonstrate competence in performing a correct approach or technique, with appropriate patient handling. You will be required to correlate your findings by explaining to the examiner what you are doing.

1. Perform an SMR (sensory, , assessment of a particular nerve root (upper and/or lower limb).

The tasks will be allocated to you randomly according to series of previously composed station cards.

Station 2 Cranial Nerve - The task will be to demonstrate competence in performing a correct approach or technique, with appropriate patient handling. You will be required to correlate your findings by explaining to the examiner what you are doing.

1. Perform a focused Cranial Nerve assessment of your patient.

The tasks will be allocated to you randomly according to series of previously composed station cards.

Station 3 Cerebellar/Co-ordination - The task will be to demonstrate competence in performing a correct approach or technique, with appropriate patient handling. You will be required to correlate your findings by explaining to the examiner what you are doing.

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

The tasks will be allocated to you randomly according to series of previously composed station cards.

Please note:

You will present for your OSCE dressed as you would present in professional environment. Any student not adhering to the dress code may be excluded from the assessment. Each station will require you to complete consent, hygiene and demonstrating professionalism; each station is timed. You will have a set time to complete the station (including reading/planning), therefore if a station is not completed within the allocated time the practical element will be stopped and you will be marked based on your performance to that point. Clinical and skills staff may be present as part of the examiners on the assessment date. The assessment will be recorded using a video camera to enable moderation, however, these recordings will **not** be routinely available for student feedback.

Assessment Due Date

Week 12 Friday (1 June 2018) 5:00 pm AEST

Mid-term will be performed during the week 7 practical class time. The Final OSCE will occur during week 12.

Return Date to Students

Review/Exam Week Friday (8 June 2018)

Weighting

60%

Assessment Criteria

Assessment Criteria

Can you demonstrate competence in evaluating for a neurological assessment in an applied context?

Station 1 SMR: Your performance will be graded using a marking rubric according to the following:

- Appropriate findings noted;
- Understanding of technique application;
- Patient handling;
- Examiners over all impression

Station 2 Cranial - Your performance will be graded using a marking rubric according to the following:

- Appropriate findings noted;
- Understanding of technique application;
- Patient handling;
- Examiners over all impression

Station 3 Cerebellar - Your performance will be graded using a marking rubric according to the following:

- Appropriate findings noted;
- Understanding of technique application;
- Patient handling;
- Examiners over all 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

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