



# CHIR12007 Clinical Assessment and Diagnosis 1

## Term 1 - 2023

Profile information current as at 03/05/2024 01:16 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

In this unit you will learn about important features of clinical conditions which are commonly encountered in chiropractic practice. In learning the etiology, incidence, pathophysiology and clinical presentation of these conditions, you will integrate this theoretical knowledge with the the assessment and management skills acquired in Professional Chiropractic Practice 1 (CHIR13008).

### 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: MPAT12001 Medical Pathophysiology Co-requisite: CHIR13008 Professional Chiropractic Practice 1

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 - 2023

- 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. **Portfolio**

Weighting: 20%

#### 2. **Online Quiz(zes)**

Weighting: 30%

#### 3. **In-class Test(s)**

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 enjoyed applying their theoretical knowledge to case scenarios.

##### Recommendation

It is recommended that case scenarios continue to be used to allow students to apply their theoretical knowledge.

#### Feedback from SUTE

##### Feedback

Students found the assessments helped them to learn.

##### Recommendation

It is recommended that similar assessments be offered in the next offering.

## Unit Learning Outcomes

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

1. Discuss the etiology, incidence and pathophysiology of commonly encountered conditions of the spine and extremities in chiropractic practice
2. Describe the clinical presentation of commonly encountered conditions of the spine and extremities in chiropractic practice
3. Demonstrate an introductory level of clinical reasoning in relation to the selection and application of commonly used assessment and management procedures.

Learning outcome 1 - competency 3 (3.4)

Learning outcome 2 - competency 3 (3.4)

Learning outcome 3 - competency 1 (1.2, 1.3), 3 (3.3, 3.4, 3.5). 4 (4.1, 4.2)

## Alignment of Learning Outcomes, Assessment and Graduate Attributes



### Alignment of Assessment Tasks to Learning Outcomes

Assessment Tasks	Learning Outcomes		
	1	2	3
1 - Portfolio - 20%			•
2 - Online Quiz(zes) - 30%	•	•	
3 - In-class Test(s) - 50%	•	•	•

### 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 - Portfolio - 20%	•	•	•					•		
2 - Online Quiz(zes) - 30%		•	•	•		•				
3 - In-class Test(s) - 50%		•	•	•						

## Textbooks and Resources

### Textbooks

CHIR12007

#### **Prescribed**

##### **Differential Diagnosis for the Chiropractor**

5th edition (2018)

Authors: Souza, T

Jones and Bartlett Learning (now Booktopia Publisher Services)

Sydney , NSW , Australia

ISBN: 9781284457001

Binding: Paperback

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#### **Supplementary**

##### **Neurological Examination Made Easy**

Edition: 6th edn (2019)

Authors: Geraint Fuller

Elsevier

London , UK

ISBN: 9780702076275

Binding: Paperback

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#### **Supplementary**

##### **Orthopaedic Neurology A Diagnostic Guide to Neurologic Levels A Diagnostic Guide to Neurologic Levels** (2017)

Authors: JD Hoppenfeld and Stanley Hoppenfeld

Wolters Kluwer

Philadelphia , PA , USA

ISBN: 9781496323033

Binding: Hardcover

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#### **Supplementary**

##### **Orthopedic Physical Assessment**

Edition: 7th Revised (2020)

Authors: David Magee

Elsevier Australia

Sydney , NSW , Australia

ISBN: 9780323749510

Binding: Hardcover

#### **Additional Textbook Information**

The prescribed textbook can be accessed online at the CQUniversity Library website. Access can be limited, so if you prefer your own copy, you can purchase either paper or eBook versions at the CQUni Bookshop here: <http://bookshop.cqu.edu.au> (search on the Unit code)

### 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

[f.duarte@cqu.edu.au](mailto:f.duarte@cqu.edu.au)

## Schedule

### Week 1 - Introduction and Cervical Spine - 06 Mar 2023

Module/Topic	Chapter	Events and Submissions/Topic
1.1 Unit profile, expectations, assessments and portfolio.	Orthopedic Physical Assessment 6th (2014); Authors: David J. Magee;	Portfolio Questions to be submitted no later than Sunday 6PM after the weekly material presented.
1.2 Developing a Diagnosis, Differential Diagnosis, Clinical Reasoning & Guideline based management	Chapter 1 AOSpine Masters Series, Volume 5: Cervical Spine Trauma. Stuttgart: Thieme Medical, Incorporated, 2015.	
1.3 Red and Yellow Flags	Web.; Chapter 1	
1.4 Pain	Differential Diagnosis for the	
1.5 Cervical Spine: Tissue & Anatomy, Facet Sprain vs. Dysfunction; Cervical Muscle strain;	Chiropractor Protocols and Algorithms 5th (2016); Authors: Souza T.A; Chapter 1	

### Week 2 - Cervical Spine Continued - 13 Mar 2023

Module/Topic	Chapter	Events and Submissions/Topic
2.1 OA - Spondylosis, Uncovertebral and Facet arthrosis; Stenosis	Orthopedic Physical Assessment 6th (2014); Authors: David J. Magee;	Portfolio Questions to be submitted no later than Sunday 6PM after the weekly material presented.
2.2 Whiplash/ Whiplash Associated Disorder and Cervical Spine Trauma	Chapter 3 - Cervical Spine 148-162, 180-184, 217-219	
2.3 Cervical Disc Lesions, Radiculopathy and Myelopathy	Differential Diagnosis for the Chiropractor Protocols and Algorithms 5th (2016); Authors: Souza T.A;	
2.4 Torticollis	Chapter 2 AOSpine Masters Series, Volume 5: Cervical Spine Trauma. Stuttgart: Thieme Medical, Incorporated, 2015. Web.; Chapters 2-4	

### Week 3 - Thoracic Spine - 20 Mar 2023

Module/Topic	Chapter	Events and Submissions/Topic
3.1 Thoracic Spine - Tissue and Anatomy; Mechanical Pain	Orthopedic Physical Assessment 6th (2014); Author: David J. Magee; Chapter 8, Thoracic Spine; 508-515, 536 (Tables), 547 Differential Diagnosis for the Chiropractor Protocols and Algorithms 5th (2016); Authors: Souza T.A; Chapter 4	Portfolio Questions to be submitted no later than Sunday 6PM after the weekly material presented. CAD Term Test due by Friday 11:59PM
3.2 Costochondritis, Scapulocostal Bursitis/ Tendonitis, Herpes Zoster; Thoracic Disc lesions		
3.3 Compression fracture; Rib - partial dislocation vs Fracture		
3.4 Thoracic Spine OA and other common Arthropathies; Facet Syndrome		
3.5 Scheuermann's disease; Postural Syndromes		

### Week 4 - Lumbar Spine - 27 Mar 2023

Module/Topic	Chapter	Events and Submissions/Topic
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4.1 Lumbar Spine – Tissue and Anatomy	Orthopedic Physical Assessment 6th (2014); Author: David J. Magee; Chapter 9, Lumbar Spine; 550-562, 563 & 566 (Tables), 588-594; Chapter 10, Pelvis; 649-654	Portfolio Questions to be submitted no later than Sunday 6PM after the weekly material presented.
4.2 Chronic LBP. Disc Disease and OA	Differential Diagnosis for the Chiropractor Protocols and Algorithms 5th (2016); Authors: Souza T.A; Chapter 6	
4.3 Lumbar Radiculopathy, Spinal Stenosis, Sciatica, Piriformis Syndrome		
4.4 Lumbar Strain/Sprain; SI syndrome; Coccyx		

#### Week 5 - Lumbar Sacral Spine - 03 Apr 2023

Module/Topic	Chapter	Events and Submissions/Topic
5.1 Special Groups & Cauda Equina	Assorted papers and readings on Lumbar-Sacral conditions per e-Reading list	Portfolio Questions to be submitted no later than Sunday 6PM after the weekly material presented.
5.2 Spinal Myofascial Pain Disorders (incl dysfunction); Postural Dysfunction		
5.3 Other Conditions Infection, Herpes Zoster (Shingles), Neuropathy (DM, Alcoholic); AAA		

#### Vacation Week - 10 Apr 2023

Module/Topic	Chapter	Events and Submissions/Topic
N/A	N/A	N/A

#### Week 6 - Review Spinal Cervical, Thoracic and Lumbar Sacral/ Script Concordance - 17 Apr 2023

Module/Topic	Chapter	Events and Submissions/Topic
6.1 Script Concordance Review Cases Full Spine	Assorted papers and readings on spinal conditions per e-Reading list Script Concordance	Portfolio Questions to be submitted no later than Sunday 6PM after the weekly material presented.

#### Week 7 - Neuropathies & Entrapments - 24 Apr 2023

Module/Topic	Chapter	Events and Submissions/Topic
7.1 Overview of Nerve Entrapment/ Nerve Compression/ Compression Neuropathy	Patten, John. Neurological Differential Diagnosis. 2nd ed. London ; New York: Springer, 1996. Print; Chapters 16 & 17  Orthopedic Physical Assessment 6th (2014); Author: David J. Magee; Chapter 6, Elbow; 399, 412-416, 426 (Table); Chapter 7, Wrist/ Hand, 483 (+Table); Chapter 11, 731-732, 734 (Table), Chapter 12, 852-854; Chapter 13, 942-947	Portfolio Questions to be submitted no later than Sunday 6PM after the weekly material presented. CAD Term Test due by Friday 11:59PM
7.2 Upper Limb		
a. Pronator Teres Syndrome		
b. CTS – Carpal Tunnel Syndrome		
c. Ulnar Nerve Compression		
d. Cubital Tunnel Entrapment		
7.3 Lower Limb		
a. Meralgia Paresthetica		
b. Tibial and Deep Peroneal Nerve Entrapment		
c. Tarsal Tunnel Syndrome		
d. Morton’s Neuroma		

#### Week 8 - Myofascial/ Gait Disorders - 01 May 2023

Module/Topic	Chapter	Events and Submissions/Topic
8.1 Myofascial	Assorted papers and readings on myofascial conditions per e-Reading list	Portfolio Questions to be submitted no later than Sunday 6 PM after the weekly material presented.
8.2 Misc.		
8.3 Gait Disorders		

#### Week 9 - Shoulder - 08 May 2023

Module/Topic	Chapter	Events and Submissions/Topic
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9.1 Review Shoulder Anatomy and Tissue  
 9.2 Subacromial Bursitis, Adhesive Capsulitis  
 9.3 Rotator Cuff S, Impingement, Labral Tears,  
 9.4 Misc  
 a. Shoulder Trauma (Fracture/ Dislocation) & Instability  
 b. Shoulder Arthropathies

Orthopedic Physical Assessment 6th (2014); Author: David J. Magee; Chapter 5, Shoulder; 252-264; 349  
 Differential Diagnosis for the Chiropractor Protocols and Algorithms 5th (2016); Authors: Souza T.A; Chapter 7

Portfolio Questions to be submitted no later than Sunday 6PM after the weekly material presented.

#### Week 10 - Elbow, Wrist, Hand - 15 May 2023

Module/Topic	Chapter	Events and Submissions/Topic
10.1 Review Elbow, Wrist and Hand Tissue and Anatomy 10.2 Tennis/ Golfer's Elbow 10.3 Elbow Bursitis/ Tendonitis 10.4 Wrist Intersection 10.5 Misc a. Elbow, Wrist and Hand trauma Fracture/ Dislocation) b. Elbow, Wrist and Hand Arthropathies	Orthopedic Physical Assessment 6th (2014); Author: David J. Magee; Chapter 6, Elbow; 388-92; Chapter 7, Wrist/ Hand, 429-434 Differential Diagnosis for the Chiropractor Protocols and Algorithms 5th (2016); Authors: Souza T.A; Chapter 8 and 9	<b>CAD Term Quizzes</b> Due: Week 10 Friday (19 May 2023) 4:00 pm AEST

#### Week 11 - Review of Term and Practical Cases - 22 May 2023

Module/Topic	Chapter	Events and Submissions/Topic
Review Week 11.1 Series of Practice Cases that Incorporate this Terms Learning Objectives	Review and papers per e-Reading list	No submissions  <b>weekly portfolio submission</b> Due: Week 11 Wednesday (24 May 2023) 12:00 pm AEST

#### Week 12 - Practice Cases - 29 May 2023

Module/Topic	Chapter	Events and Submissions/Topic
12.1 Series of Practice Cases that Incorporate this Terms Learning Objectives	None specific	None for CAD

#### Review/Exam Week - 05 Jun 2023

Module/Topic	Chapter	Events and Submissions/Topic
		<b>End of Term Test</b> Due: Review/Exam Week Thursday (8 June 2023) 11:00 am AEST

#### Exam Week - 12 Jun 2023

Module/Topic	Chapter	Events and Submissions/Topic
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## Assessment Tasks

### 1 weekly portfolio submission

#### Assessment Type

Portfolio

#### Task Description

Portfolio Questions

Each week you will be expected to upload the portfolio questions with your answers to Moodle. These questions will be discussed in tutorial the following week. You will be expected to correct any answers that are not correct in your portfolio. This will commence week 1 and will assist with review for the final assessment.



**Assessment Due Date**

Week 11 Wednesday (24 May 2023) 12:00 pm AEST

Every Sunday by 6 PM after the material is presented. Final submission the Wednesday of Week 11 by 12 PM.

**Return Date to Students**

Week 11 Friday (26 May 2023)

Feedback in tutorial in the following week of submission.

**Weighting**

20%

**Minimum mark or grade**

50%

**Assessment Criteria**

All weekly portfolio questions are to be uploaded with attempted answers by **Sunday 6 PM** after the material has been presented. Grading will be given on a scale of 0-10 based on the quality and detail of the answers provided. For the final portfolio entry in week 10, this will be due on Wednesday 24/05/2023 at 12pm. It is expected that by the end of the term, the portfolio will be complete with correct answers.

**Referencing Style**

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

**Submission**

Online

**Submission Instructions**

Turnitin

**Learning Outcomes Assessed**

- Demonstrate an introductory level of clinical reasoning in relation to the selection and application of commonly used assessment and management procedures.

**Graduate Attributes**

- Communication
- Problem Solving
- Critical Thinking
- Ethical practice

## 2 CAD Term Quizzes

**Assessment Type**

Online Quiz(zes)

**Task Description**

Three times during the term you will be expected to complete an online quiz. These will take place in weeks 3, 7 and 10 and will assist with review for the final assessment. The quiz will be based on the material presented in the period before the quiz (i.e. the week 3 quiz will cover material presented in weeks 1-3. The week 7 quiz will cover material presented in weeks 4-7 and the week 10 quiz will cover material presented in weeks 8-10). The quiz will involve multiple choice, true/false, and matching questions. The quizzes will be open for 30 minutes once started. The quiz will be available during a 24 hour window. There are no extensions for the quiz except for special circumstances with advanced approval.

**Number of Quizzes**

3

**Frequency of Quizzes**

Other

**Assessment Due Date**

Week 10 Friday (19 May 2023) 4:00 pm AEST

The quizzes will open on Thursday afternoon at 4pm and close on the Friday afternoon at 4pm of weeks 3, 7 and 10.

**Return Date to Students**

Week 12 Friday (2 June 2023)

via Moodle

**Weighting**

30%

**Minimum mark or grade**

50%

**Assessment Criteria**

The assessment criteria will involve selecting or providing the most accurate and correct answers to the questions posed in the quizzes.

**Referencing Style**

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

**Submission**

Online

**Learning Outcomes Assessed**

- Discuss the etiology, incidence and pathophysiology of commonly encountered conditions of the spine and extremities in chiropractic practice
- Describe the clinical presentation of commonly encountered conditions of the spine and extremities in chiropractic practice

**Graduate Attributes**

- Problem Solving
- Critical Thinking
- Information Literacy
- Information Technology Competence

### 3 End of Term Test

**Assessment Type**

In-class Test(s)

**Task Description**

**You will be required to demonstrate application of important and clinically relevant concepts of diseases presented as they relate to conditions presented. You will be able to demonstrate diagnosis and differential diagnosis skills based on clinical history and clinical findings. You will be able to formulate a reasonable management strategy for the diagnosis of the conditions presented. The examination will cover all material presented throughout the term. This task will take place on campus in a computer lab under invigilation. The test will include questions to assess your knowledge in relation to clinical reasoning, clinical diagnosis, physical examination as well as management strategies for the conditions that have been studied during the term. The test will be delivered via Moodle and will involve a range of question types including matching, short answer, essay and multiple choice. The test will be of 90 minute duration.**

**Assessment Due Date**

Review/Exam Week Thursday (8 June 2023) 11:00 am AEST  
End of Term Test runs from 11AM-12:30pm as per the timetable.

**Return Date to Students**

Exam Week Friday (16 June 2023)  
via Moodle

**Weighting**

50%

**Minimum mark or grade**

50%

**Assessment Criteria**

The assessment criteria will involve selecting or providing the most accurate and correct answers to the questions posed in this end of term test.

**Referencing Style**

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

**Submission**

Online

**Submission Instructions**

This assessment will take place in a campus computer lab with invigilation by a staff member.

### Learning Outcomes Assessed

- Discuss the etiology, incidence and pathophysiology of commonly encountered conditions of the spine and extremities in chiropractic practice
- Describe the clinical presentation of commonly encountered conditions of the spine and extremities in chiropractic practice
- Demonstrate an introductory level of clinical reasoning in relation to the selection and application of commonly used assessment and management procedures.

### Graduate Attributes

- Problem Solving
- Critical Thinking
- 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