



# CHIR12006 *Foundations of Chiropractic Practice*

## 4

### Term 2 - 2020

Profile information current as at 29/04/2024 05:30 am

All details in this unit profile for CHIR12006 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 Foundations of Chiropractic 4, you will commence development of manipulative technique setups relative to the spine and pelvis, temporomandibular joints and extremities. You will continue to build your knowledge of functional biomechanics of the spine, pelvis and extremities as you perform further musculoskeletal assessments. Current public health issues and the potential roles of the chiropractic profession will be investigated.

### 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: CHIR12005 & CHIR12004

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 - 2020

- 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: 30%

#### 2. **Portfolio**

Weighting: 30%

#### 3. **Objective Structured Clinical Examinations (OSCEs)**

Weighting: Pass/Fail

#### 4. **Written Assessment**

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 Have your Say

##### Feedback

Students found the new e-portfolio tool more useful in regard to their learning experience.

##### Recommendation

It is recommended that the unit coordinator should continue to use the new e-portfolio (Weebly) in place of Mahara for future offerings of this unit.

#### Feedback from Student feedback

##### Feedback

Some students felt that communication between the unit coordinator and cross campus staff could have occurred more frequently.

##### Recommendation

It is recommended that the unit coordinator continues to explore opportunities for increasing cross-campus communication with all staff members involved in the unit.

#### Feedback from Have your Say

##### Feedback

Students reported the unit coordinator was approachable and receptive to students feedback and requests.

##### Recommendation

It is recommended that the unit coordinator will continue to focus on improving the student learning experience by focusing on improved communication with students to address their needs.

## Unit Learning Outcomes

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

1. Interpret basic findings and explain the biomechanics of musculoskeletal assessments of the spine, pelvis, temporomandibular joints and extremities to recommend appropriate management
2. Demonstrate manipulative technique setups for full spine and pelvis, temporomandibular joints and extremities at an introductory level
3. Investigate current public health issues and the potential role of the chiropractic profession.

## 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 - 30%	•	•	
2 - Portfolio - 30%			•

Assessment Tasks	Learning Outcomes		
	1	2	3
3 - Objective Structured Clinical Examinations (OSCEs) - 0%		•	
4 - Written Assessment - 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 - 30%	•	•			•		•	•		
2 - Portfolio - 30%	•	•	•	•				•		
3 - Objective Structured Clinical Examinations (OSCEs) - 0%	•	•						•		
4 - Written Assessment - 40%	•	•	•					•		

## Textbooks and Resources

### Textbooks

CHIR12006

#### Prescribed

##### **Chiropractic Technique Principles and Procedures**

Edition: 3rd (2011)

Authors: Thomas F. Bergmann and David H. Peterson

Elsevier Mosby

St Louis , Missouri , USA

ISBN: 978-0-323-04969-6

Binding: Hardcover

CHIR12006

#### Prescribed

##### **Evidence Informed Joint Play and Mobilization**

Edition: 1st (2018)

Authors: Nikita A Vizniak

Professional Health Systems Inc

Burnaby , BC , Canada

ISBN: 978-0-9936191-4-4

Binding: Paperback

#### **Additional Textbook Information**

The Bergmann and Vizniak texts should have been purchased either during the first year of the course, or during the pre-requisite unit, CHIR12005 FCP3. These are required textbooks. Copies can be purchased 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

**Dawn Dane** Unit Coordinator

[d.dane@cqu.edu.au](mailto:d.dane@cqu.edu.au)

## Schedule

### **Week 1 Introduction for CHIR12006 FCP4 - 13 Jul 2020**

Module/Topic	Chapter	Events and Submissions/Topic
--------------	---------	------------------------------

Lecture: Introduction and expectations for FCP4; Chiropractic structural techniques; Introduction to Listings (Restrictions/National/Gonstead); common thrusts and contraindications to adjusting.  
 Practical: Review of mobilisation from FCP3; Chirobics Drills and Thrust Development

Bergmann, T "*Chiropractic Technique; Principles and Procedures, 3rd edition*"  
**page 84-144**  
 Vizniak, N "*Joint-Play and Mobilization*"  
**page 23-43**

## Week 2 Thoracic Spine Adjustive Setups - 20 Jul 2020

Module/Topic	Chapter	Events and Submissions/Topic
Lecture: Contraindications to Manipulation; thoracic biomechanics and thoracic spinal mensuration. Practical: Thoracic spine prone and supine adjustment setups	Bergmann, T " <i>Chiropractic Technique; Principles and Procedures, 3rd edition</i> " <b>page 200-232</b> Vizniak, N " <i>Joint-Play and Mobilization</i> " <b>page 172-192</b>	Bergmann Videos: 5-145 to 5-198 Online Quiz #1

## Week 3 Lumbar Spine Adjustive Setups - 27 Jul 2020

Module/Topic	Chapter	Events and Submissions/Topic
Lecture: Lumbar and lumbopelvic biomechanics; lumbar spine x-ray mensuration Practical: Lumbar side posture and sitting adjustment setups	Bergmann, T " <i>Chiropractic Technique; Principles and Procedures, 3rd edition</i> " <b>page 233-262</b> Vizniak, N " <i>Joint-Play and Mobilization</i> " <b>page 142-147</b>	Bergmann Videos: 5-230A to 5-259B

## Week 4 Ilium and Sacrum Adjustive Setups - 03 Aug 2020

Module/Topic	Chapter	Events and Submissions/Topic
Lecture: Pelvic x-ray mensuration Practical: Ilium and pelvic side posture adjustment setups	Bergmann, T " <i>Chiropractic Technique; Principles and Procedures, 3rd edition</i> " <b>page 262-282</b> Vizniak, N " <i>Joint-Play and Mobilization</i> " <b>page 108-111</b>	Bergmann Videos: 5-282 to 5-294 Online Quiz #2

## Week 5 Lower Cervical Spine Adjustive Setups - 10 Aug 2020

Module/Topic	Chapter	Events and Submissions/Topic
Lecture: Lower cervical spine x-ray mensuration; Practical: C2 - C7 supine, seated and prone adjustment setups	Bergmann, T " <i>Chiropractic Technique; Principles and Procedures, 3rd edition</i> " <b>pages 157-188</b> Vizniak, N " <i>Joint-Play and Mobilization</i> " <b>pages 224-229</b>	Bergmann Videos: 5-75 to 5-79A; 5-94 to 5-104

## Vacation Week - 17 Aug 2020

Module/Topic	Chapter	Events and Submissions/Topic
--------------	---------	------------------------------

## Week 6 Upper Cervical Spine Adjustive Setups - 24 Aug 2020

Module/Topic	Chapter	Events and Submissions/Topic
Lecture: Upper cervical spine biomechanics; upper cervical spine x-ray mensuration Practical: C0 - C1 supine and seated adjustive setups	Bergmann, T " <i>Chiropractic Technique; Principles and Procedures, 3rd edition</i> " <b>pages 157-188</b> Vizniak, N " <i>Joint-Play and Mobilization</i> " <b>pages 224-229</b>	week 7

## Week 7 TMJ Adjustive Setups - 31 Aug 2020

Module/Topic	Chapter	Events and Submissions/Topic
Lecture: TMJ Biomechanics and Assessment Practical: TMJ mobilisation and distraction techniques	Bergmann, T " <i>Chiropractic Technique; Principles and Procedures, 3rd edition</i> " <b>pages 283-294</b> Vizniak, N " <i>Joint-Play and Mobilization</i> " <b>pages 234-235</b>	Bergmann Videos: 6-14 to 6-25

## Week 8 Upper Limb Adjustive Setups - 07 Sep 2020

Module/Topic	Chapter	Events and Submissions/Topic
--------------	---------	------------------------------

Lecture: Shoulder, Elbow and Wrist/Hand biomechanics; Upper Limb x-ray mensuration  
Practical: Upper Limb Adjustment Setups

Bergmann, T "*Chiropractic Technique; Principles and Procedures, 3rd edition*" **pages 294-337**  
Vizniak, N "*Joint-Play and Mobilization*" **pages 256-269; 280-281; 296-301**

Bergmann Videos: 6-48 to 6-134  
Online Quiz #4

### Week 9 Lower Limb Adjustive Setups - 14 Sep 2020

Module/Topic	Chapter	Events and Submissions/Topic
Lecture: Hip, Knee, Ankle and Foot Biomechanics; Lower Limb X-ray Mensuration and Chiropractic Medicine Evolution Practical: Lower Limb Adjustment Setups	Bergmann, T " <i>Chiropractic Technique; Principles and Procedures, 3rd edition</i> " <b>pages 337-380</b> Vizniak, N " <i>Joint-Play and Mobilization</i> " <b>pages 318-323; 338-343; 359-367</b>	Bergmann Videos: 6-149 to 6-238 ePortfolio due: <b>Friday September 18, 2020</b>  <b>ePortfolio Assignment</b> Due: Week 9 Friday (18 Sept 2020) 11:55 pm AEST

### Week 10 Spinal Adjustive Review - 21 Sep 2020

Module/Topic	Chapter	Events and Submissions/Topic
Lecture: Cultural Issues (Parts I, II and III) Practical: Review of spinal adjustive setups		Online Quiz #5  <b>On-Line Quizzes</b> Due: Week 10 Friday (25 Sept 2020) 5:00 pm AEST

### Week 11 Peripheral Adjustive Setups Review - 28 Sep 2020

Module/Topic	Chapter	Events and Submissions/Topic
Lecture: Health Promotion and Public Health Impact Practical: Review of peripheral adjustive setups		

### Week 12 Final OSCE - 05 Oct 2020

Module/Topic	Chapter	Events and Submissions/Topic
Lecture: None Practical: Revision of entire term setups; Final OSCE		<b>OSCE</b> Due: Week 12 Friday (9 Oct 2020) 5:00 pm AEST

### Review/Exam Week - 12 Oct 2020

Module/Topic	Chapter	Events and Submissions/Topic
		<b>Online Test</b> Due: Review/Exam Week Friday (16 Oct 2020) 5:00 pm AEST

### Exam Week - 19 Oct 2020

Module/Topic	Chapter	Events and Submissions/Topic
Online Test delivery as per timetabled exam schedule.		

## Term Specific Information

Due to COVID-19 impacts at the time of preparing this unit profile, the practical sessions for this unit for Term 2 2020 have been affected and may need to be completed at a later date as an intensive practical session. Further details will be made available on the unit Moodle site in due course.

## Assessment Tasks

### 1 On-Line Quizzes

#### Assessment Type

On-campus Activity

#### Task Description

The on-line quizzes in this unit are intended to provide you with both summative and formative feedback as you develop

your key chiropractic adjustive skills and learn to appreciate the role of chiropractic and contemporary public health issues. They will vary in expectations but will be in multiple choice question format, typically with one correct answer only, based on material from previous or current week's lectures. It is essential that you review the material before attempting the quizzes. The date and time will be scheduled fortnightly throughout the term with the dates shown on Moodle.

**Assessment Due Date**

Week 10 Friday (25 Sept 2020) 5:00 pm AEST

There will be multiple online quizzes throughout the term up until the due date at the end of week 10.

**Return Date to Students**

Week 11 Friday (2 Oct 2020)

Formative feedback can be available in the subsequent ZOOM session for each quiz.

**Weighting**

30%

**Minimum mark or grade**

50%

**Assessment Criteria**

Activities will be reviewed/discussed after the quizzes in the ZOOM sessions thus providing additional formative feedback. You will be assessed on the lecture and theoretical application of the unit material.

**Referencing Style**

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

**Submission**

Online

**Submission Instructions**

You will be able to attempt the quizzes over a specific allocated time period (date) but must be completed within the allocated time limits.

**Learning Outcomes Assessed**

- Interpret basic findings and explain the biomechanics of musculoskeletal assessments of the spine, pelvis, temporomandibular joints and extremities to recommend appropriate management
- Demonstrate manipulative technique setups for full spine and pelvis, temporomandibular joints and extremities at an introductory level

**Graduate Attributes**

- Communication
- Problem Solving
- Team Work
- Cross Cultural Competence
- Ethical practice

## 2 ePortfolio Assignment

**Assessment Type**

Portfolio

**Task Description**

In this unit you will create a reflective assignment based on selection criteria associated with the online activities, discussions, and material presented during the term. The ePortfolio in Weebly will provide the evidence of the quality and quantity of your online/in-class learning. This ePortfolio can be used to evaluate and enhance your learning and/or be used to critically reflect and develop deeper learning. It may be used to evolve skills set which will be essential during your career such as documenting your professional portfolio, achievements and continued development. Note that you will continue to develop your reflective writing skills in future units in the course.

You will develop your creative ability in providing sample MCQ questions and the submission of a condition presentation (in the ePortfolio) on predetermined topics as identified on the Moodle site during the first week.

**Assessment Due Date**

Week 9 Friday (18 Sept 2020) 11:55 pm AEST

The ePortfolio reflection and questions submission can be submitted (independently or together) at any point upto the cut-off date and time but by the end of week 9. If the deadline is breached, the CQU Policy for late submissions will apply.



**Return Date to Students**

Week 11 Friday (2 Oct 2020)

Formative feedback can be available after the endorsement of grades for this unit.

**Weighting**

30%

**Minimum mark or grade**

50%

**Assessment Criteria**

The ePortfolio will have two components.

(i) with question submission You must create a section in your ePortfolio of multiple choice questions which could be used to assess the unit. Grades will be determined based upon the quality and usefulness of your questions. You must submit **five (5)** questions with two (2) being technique specific, one (1) being biomechanical in nature and the remaining two (2) being clinical application. You will be required to have four (4) distractors per question. The URL to the ePortfolio can be submitted. This will account for 10% of the overall grade.

(ii) reflection. You are to create a power point presentation and a video recording about the selected condition. All the information of your presentation (and your explanation and delivery of it) will be embed that in your ePortfolio. This assignment will require demographic and clinical manifestations of the condition; how differential diagnoses are developed, along with prevalence and traditional and chiropractic management (i.e on general, paediatric, geriatric populations and with any appropriate modifications). You will need to review current literature and provide references. There will be specific rubrics for the ePortfolio (via Weebly) available in Moodle to which you can refer for further information. This will account for 20% of the overall grade.

**Referencing Style**

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

**Submission**

Online

**Submission Instructions**

The ePortfolio will need to be submitted along with the corresponding marking rubric. Each section can be submitted at any time before the due date, separately or together.

**Learning Outcomes Assessed**

- Investigate current public health issues and the potential role of the chiropractic profession.

**Graduate Attributes**

- Communication
- Problem Solving
- Critical Thinking
- Information Literacy
- Ethical practice

## 3 OSCE

**Assessment Type**

Objective Structured Clinical Examinations (OSCEs)

**Task Description**

In practice, the chiropractor is required to develop a variety of psychomotor as well as clinical skills. All skills/techniques taught within this unit must be mastered. You must have a strong understanding of their applications. The primary focus of this assessment will be on the contextual nature of the adjustment/manipulation. In addition to refining the skill itself. Each of these activities will require the student to complete various technique tasks over a specific time period.

**Assessment Due Date**

Week 12 Friday (9 Oct 2020) 5:00 pm AEST

OSCE dates subject to revision due to COVID-19 pandemic. Announcements will be placed in Moodle in due course when specific details are known. However, it will occur during or after week 12.

**Return Date to Students**

Review/Exam Week Friday (16 Oct 2020)

Overall formative feedback should be available one week after final OSCE performance.

**Weighting**

Pass/Fail

**Minimum mark or grade**

Pass/Fail - however you will be required to achieve a minimum of 70% on each component to satisfactorily receive a passing grade.

**Assessment Criteria**

The objective structured clinical exams (OSCE) in CHIR12006 are made up of multiple tasks. Each task will require the student to demonstrate appropriate consent, hygiene, professionalism, and applying psychomotor technical aspects to specific assessment tasks. The exact duration of the tasks will be determined and announced at a later date.

You will be required to provide indications for as well as perform several spinal and peripheral setups with mock thrusts (at an intermediate level) demonstrating correct technique, appropriate patient handling, developing appropriate tension and control. You will have a set time to complete all the tasks. If any part of the tasks is incomplete within the allocated time, the practical elements will be stopped and you will be graded based on your performance to that point. The final assessment will be recorded to enable moderation, however, these recordings will not routinely be available for student feedback. Direct verbal feedback can be received from the unit coordinator and/or tutors at any appropriate time as per CQU policies.

**Referencing Style**

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

**Submission**

No submission method provided.

**Learning Outcomes Assessed**

- Demonstrate manipulative technique setups for full spine and pelvis, temporomandibular joints and extremities at an introductory level

**Graduate Attributes**

- Communication
- Problem Solving
- Ethical practice

## 4 Online Test

**Assessment Type**

Written Assessment

**Task Description**

The end of term examination has now be changed to an alternate form of assessment. Further details will be available on the Moodle site.

**Assessment Due Date**

Review/Exam Week Friday (16 Oct 2020) 5:00 pm AEST

The date is TBA and will be determined by the Examination Unit timetabling team.

**Return Date to Students**

Exam Week Friday (23 Oct 2020)

Formative feedback can be available after the endorsement of grades for this unit.

**Weighting**

40%

**Minimum mark or grade**

50%

**Assessment Criteria**

The final exam will cover all material presented in the lectures, practical classes as well as general discussion and conclusions from written articles provided on the eReading list for CHIR12006.

**Referencing Style**

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

**Submission**

Online

**Submission Instructions**

Online quiz will be accessed on the Moodle page and available upon the allocation date and time

### Learning Outcomes Assessed

- Interpret basic findings and explain the biomechanics of musculoskeletal assessments of the spine, pelvis, temporomandibular joints and extremities to recommend appropriate management
- Investigate current public health issues and the potential role of the chiropractic profession.

### Graduate Attributes

- Communication
- Problem Solving
- Critical Thinking
- Ethical practice

## 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