



CHIR11001 *Foundations of Chiropractic Practice*

1

Term 1 - 2019

Profile information current as at 19/04/2024 12:07 am

All details in this unit profile for CHIR11001 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 offers you an introduction to the principles and practice of chiropractic, within the context of the Australian health care system. The overall structure of the Foundations of Chiropractic Practice 1 unit covers integrated material on topics to prepare you for progressively more complex health-related units in the course. As such, it commences with etymology (medical terminology); basic musculoskeletal assessment protocols; postural observation and analysis; movement (active and passive ranges of motion); psychomotor palpation skills to spinal and peripheral anatomy landmarks; elementary biomechanics; history of manipulation and founding philosophical principles of chiropractic.

Details

Career Level: *Undergraduate*

Unit Level: *Level 1*

Credit Points: 6

Student Contribution Band: 8

Fraction of Full-Time Student Load: 0.125

Pre-requisites or Co-requisites

Co-requisite: BMSC11001 Human Body Systems 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 - 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, both in classroom, tutorial and with Have Your Say.

Feedback

The faculty is aware of the need to strengthen the correlation with learning resources and learning outcomes. Despite the improvements developed for 2018, there still have been some occasions where there is a disconnect. Further reflection will benefit delivery with more integration between this unit, others in first year, and with the Foundations track within this course.

Recommendation

Continue with reflection and subsequent standardisation of tutorial, practical and rubrics across the campuses. Particular attention will be given to expected outcomes from the various activities.

Unit Learning Outcomes

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

1. Define the principles and practice of chiropractic and discuss how philosophical chiropractic approaches are applied in a modern health paradigm
2. Describe biomechanical principles relevant to chiropractic practice
3. Perform and interpret musculoskeletal assessment tasks using postural observation, range of motion measurements and static palpation of spinal and axial landmarks

Not applicable

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	•	•	•

Graduate Attributes	Learning Outcomes		
	1	2	3
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

CHIR11001

Prescribed

Evidence Informed Muscle Manual

2nd Edition (2018)

Authors: Nikita A Vizniak

Professional Health Systems Inc

Canada

ISBN: 978-0-9732742-2-6

Binding: Spiral

CHIR11001

Supplementary

Evidence Informed Muscle Manual Workbook/Lab Manual

1st Edition (2015)

Authors: Nikita A Vizniak

Professional Health Systems Inc

Canada

ISBN: 978-0-9732742-3-3

Binding: Paperback

Additional Textbook Information

eBooks can be purchased from the publisher.

If you prefer a paper text, you can purchase from 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
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Lecture: Introduction to Foundations of Chiropractic Practice 1 and expectations; Introduction to Ethics of Touching; Professionalism	Read articles: Stone, J Respecting Professional Boundaries; What CAM practitioners need to know, Contemporary Therapies in Medicine (2008), 14, pages 2-7 Schiff, E et al, Touching Ethics: Assessing the applicability of ethical rules for safe touch in CAM - Outcomes. Complementary Therapies in Medicine (2011) 19, pages 12 - 18	You will be given opportunities to observe patient encounters in the CQU Chiropractic clinics (currently requesting 3). The necessary documentation, with expectations will be provided to you during the first 2-3 weeks of the term. These are not scheduled events, but will require you to contact your closest clinic for arrangements that are mutually beneficial.
Practical: Introduction to Lab procedures		

Week 2 - 18 Mar 2019

Module/Topic	Chapter	Events and Submissions/Topic
Lecture: History of Chiropractic; Biomechanics of Anatomical and Body Planes; Body Regions; and Spinal Curvatures	Read from Vizniak, Muscle Manual 2nd Edition: pages 3-9; 20-24; 84-87; 126-128; 161-163	On-Campus activity involving various aspects of previous week's material.
Practical: Spinal Ranges of Motion (ROM) using a goniometer with Record Documentation	Observe ROM Videos supplied on Moodle.	

Week 3 - 25 Mar 2019

Module/Topic	Chapter	Events and Submissions/Topic
Lecture: Surface Anatomy of the Upper and Lower Limb; Ranges of Motion of Upper and Lower Limb ; History of Chiropractic (contd);	Read from Vizniak, Muscle Manual, pages 11; 195-197; 199; 237-239; 295; 297-299; 357-358 Observe ROM Videos supplied on Moodle.	On-Campus activity involving various aspects of previous week's material.
Practical: Upper and Lower Limb ROM and record documentation		

Week 4 - 01 Apr 2019

Module/Topic	Chapter	Events and Submissions/Topic
Lecture: Surface Anatomy of the Spine, Trunk, Chest and Limbs	Read from Vizniak, Muscle Manual, pages 11 Observe ROM Videos supplied on Moodle site.	On-Campus activity involving various aspects of previous week's material.
Practical: Surface Anatomy Spinal and Limbs		

Week 5 - 08 Apr 2019

Module/Topic	Chapter	Events and Submissions/Topic
Lecture Postural Analysis and Assessment	Read from Vizniak Muscle Manual pages vii-ix	On-Campus activity involving various aspects of previous week's material.
Practical: Postural Examination and record documentation.	Recommended: Bergmann text, Posture Chapter 3, pages 55-56 ; Figure 3-14 and Table 3-2	

Vacation Week - 15 Apr 2019

Module/Topic	Chapter	Events and Submissions/Topic

Week 6 - 22 Apr 2019

Module/Topic	Chapter	Events and Submissions/Topic
Lecture: Introduction to Palpation Skills; Bony Landmark Definitions; Cervical Spine Bony anatomy	Read from Vizniak, Muscle Manual, pages 11; 80	On-Campus activity involving various aspects of previous week's material along with revision for mid-term OSCE, April 26, 2019.
Practical: Surface palpation of the cervical spine. Revision for first OSCE later in the week.	Recommended: Read from Bergmann text, Posture Chapter 3, pages 65-67	

Week 7 - 29 Apr 2019

Module/Topic	Chapter	Events and Submissions/Topic
Lecture: Thoracic Spine Bony anatomy; Introduction to Australian Chiropractic History	Read from Vizniak, Muscle Manual, pages 118-119	
Practical: Surface palpation of the thoracic spine.	Read article: Bolton, S, <i>Chiropractic Education in Australia: A Short History of Its Emergence and Development</i> , Chiropractic Journal of Australia (2010) 40, pages 88-90	On-Campus activity involving various aspects of previous week's material.

Week 8 - 06 May 2019

Module/Topic	Chapter	Events and Submissions/Topic
Lecture: Lumbopelvic Bony anatomy; Importance of Chiropractic Philosophy		
Practical: Bony landmarks and anatomy of the lumbopelvic region; Surface palpation of the lumbopelvic spine.	Read from Vizniak, N. Muscle Manual, page 154, "Lumbopelvic Bones"	On-Campus activity involving various aspects of previous week's material.

Week 9 - 13 May 2019

Module/Topic	Chapter	Events and Submissions/Topic
Lecture: Upper Limb bony anatomy; History of Chiropractic Science	Read from Vizniak, Muscle Manual, pages 188; 228	
Practical: Surface palpation of the upper limb.		On-Campus activity involving various aspects of previous week's material.

Week 10 - 20 May 2019

Module/Topic	Chapter	Events and Submissions/Topic
Lecture: Lower Limb Bony Anatomy; Chiropractic Across the World and the Role of Chiropractic in Today's Australian Society	Read from Vizniak, Muscle Manual, pages 286; 348-350	
Practical: Surface palpation of the lower limb.	Recommended: Bergmann, T, <i>Chiropractic Technique, Principles and Procedures</i> , 3rd Edition (2011), Guidelines Chapter 1 pages 8-10	On-Campus activity involving various aspects of previous week's material.

Week 11 - 27 May 2019

Module/Topic	Chapter	Events and Submissions/Topic
Lecture: None	Read article: Schneider, M, Spine Care as a Framework for the Chiropractic Identity, <i>Journal of Chiropractic Humanities</i> (2016), Volume 23, Number 1 pages 14-20	On-Campus activity involving various aspects of previous week's material.
Practical: Revision in preparation for Final OSCE.		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		FINAL OSCE: FRIDAY JUNE 7, 2019
Practical: Final OSCE - scheduled during last practical lab session for week 12.	None	Objective Structured Clinical Examination (OSCE's) Due: Week 12 Friday (7 June 2019) 1:00 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

- 24 Jun 2019

Module/Topic

Chapter

Events and Submissions/Topic

Term Specific Information

BNE Dawn Dane (07) 3023 4271 with tutors Iris Tan, Barry Draper.
SYD Dean Innis (02) 9324 5025 with tutors David Floro, Chris Jolliffe.

Assessment Tasks

1 On-Campus Activity

Assessment Type

On-campus Activity

Task Description

The on-campus activities in this unit will help prepare you for subsequent units in your chiropractic degree. As such, you will receive ongoing feedback with the opportunity to work with the unit coordinator and/or tutors, as well as classmates, to develop your key chiropractic skills.

Preparation, study and organisational skills are required of both successful students and chiropractic professionals throughout your career, therefore there will maybe tasks that you must complete BEFORE these on-campus activities are delivered. The weekly on-campus activities will vary in requirements and expectations. Each one will be based on material from the previous or current week's lectures. It is essential that you review the material.

Assessment Due Date

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

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

Activities will be reviewed/discussed in class thus providing feedback. You will be assessed on a pass/fail basis for the weekly activities. Each activity signed off on the on-campus activity form will be submitted to the tutor after the class. At the conclusion of the term, students will be expected to have received a passing grade, in at least 8 weekly activities, in order to receive a 'pass' for this assessment overall.

Referencing Style

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

Submission

No submission method provided.

Learning Outcomes Assessed

- Define the principles and practice of chiropractic and discuss how philosophical chiropractic approaches are applied in a modern health paradigm
- Describe biomechanical principles relevant to chiropractic practice
- Perform and interpret musculoskeletal assessment tasks using postural observation, range of motion measurements and static palpation of spinal and axial landmarks

Graduate Attributes

- Communication
- Problem Solving

- Team Work

2 Objective Structured Clinical Examination (OSCE's)

Assessment Type

Objective Structured Clinical Examinations (OSCEs)

Task Description

In practice, the chiropractor is required to combine a variety of clinical skills; all these techniques must be mastered. The objective structured clinical exam (OSCE) in CHIR11001, is made of a single station (Mid-Term) to multiple stations (Final). Each station could require the student to complete or demonstrate appropriate consent, hygiene, professionalism and applying various technical aspects over a specified time period, including reading/planning time prior to the actual commencement of the assessment task(s). There will be a mid-term exam (week 6) as well as a final exam in week 12. The Mid-Term OSCE will have a value of 20% and the final practical test valued at 40%. The exact duration of each station will be determined and announced at a later date, but for the mid-term OSCE, the tasks should generally be completed within 4 minutes and the entire final OSCE should generally be 3-4 minutes per station.

Mid-Term OSCE - Week 6

Station 1: You will be required to perform tasks to demonstrate competence in performing a correct approach or technique, with appropriate patient handling.

1. Postural analysis (assessing 6 items as a minimum).
2. Spinal Range of Motion (ROM) assessment, using goniometer **OR** Extremity Range of Motion (ROM) assessment, using goniometer.

FINAL OSCE - Week 12

Station 1 Postural Analysis: You will be required to demonstrate competence in performing a correct approach or technique, with appropriate patient handling.

1. You will be required to assess 10 items as a minimum of a mock patient postural evaluation.

Station 2 Spinal: You will be required to demonstrate competence in performing a correct approach or technique, with appropriate patient handling and being able to correlate your findings by sharing them with the examiner.

1. Location of specific spinal structures (bony landmarks).
2. Spinal Range of Motion assessment, using goniometer.

The tasks will be selected randomly according to a series of composed station cards.

Station 3 Peripheral: You will be required to demonstrate competence in performing a correct approach or technique, with appropriate patient handling and being able to correlate your findings by sharing them with the examiner.

1. Location of specific peripheral structures (bony landmarks).
2. Extremity Range of Motion assessment, using goniometer.

The tasks will be selected randomly according to a series of composed station cards.

Please note:

Each station is timed and you will have the set time to complete the station; 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.

The assessment will be recorded using a video camera to enable moderation, however, these recordings will **not** routinely be available for student feedback. Direct feedback can be received from the unit coordinator or the tutors.

Assessment Due Date

Week 12 Friday (7 June 2019) 1:00 pm AEST

The practical test will be held on campus as close to the scheduled time for this unit, but can be extended to accommodate the examination without rushing through it. The test will be held in the practical room.

Return Date to Students

Review/Exam Week Tuesday (11 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 OSCE Assessment Criteria:

You will need to demonstrate basic competence in evaluating postural evaluation as well as spine and peripheral joint ranges of motion, using a goniometer.

Your performance will be graded, using a marking rubric, according to the following: introduction; inspection and postural analysis (viewed from two directions); active and passive ranges of motion (in all degrees of freedom) with

demonstration of use of a goniometer on **one** active range of motion of your choice; patient handling; technical performance and the examiner's overall impression.

Final OSCE Assessment Criteria:

You will need to demonstrate basic competence in psychomotor skills expected at an introductory level in an applied context; evaluating postural evaluation as well as spine and peripheral joint ranges of motion, static palpation of spinal and peripheral bony landmarks and muscle surfaces.

Your performance will be graded, using a marking rubric, according to the following: introduction; inspection and postural analysis (viewed from two directions); active and passive ranges of motion (in all degrees of freedom); demonstration of a combination of eight (8) bony landmarks and surface muscle structures (both spinal and peripheral); patient handling; technical performance 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 and interpret musculoskeletal assessment tasks using postural observation, range of motion measurements and static palpation of spinal and axial landmarks

Graduate Attributes

- Communication
- Problem Solving
- 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