



CHIR20007 *Diagnostic Imaging 2*

Term 3 - 2019

Profile information current as at 20/05/2024 11:45 pm

All details in this unit profile for CHIR20007 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.

Corrections

General Information

Overview

This unit is a continuation of Diagnostic Imaging 1, and covers pathological processes as represented on diagnostic imaging studies, not covered in Diagnostic Imaging 1.

Details

Career Level: *Postgraduate*

Unit Level: *Level 9*

Credit Points: 6

Student Contribution Band: 8

Fraction of Full-Time Student Load: 0.125

Pre-requisites or Co-requisites

Corequisite: CHIR20006 Clinical Practice 3 Pre-requisite CHIR20005 Diagnostic Imaging 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 3 - 2019

- Online

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 Postgraduate 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. **Written Assessment**

Weighting: 20%

2. **Practical Assessment**

Weighting: 40%

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 Have Your Say and direct student feedback

Feedback

The majority of students suggested that the OSCE should be moved to a computer lab to ensure the images are clearly visualized.

Recommendation

Future OSCEs should be scheduled into a computer lab to provide a better assessment experience.

Feedback from Have Your Say and direct student feedback

Feedback

Students suggested that they would appreciate having the opportunity to write more than one radiology report during the term

Recommendation

The new unit coordinator should consider how to implement more authentic assessment opportunities. This will better assist students to develop their report writing skills.

Unit Learning Outcomes

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

1. Identify the radiographic signs of disease.
2. Differentiate normal from abnormal radiographic structures of the body.
3. Develop and utilise a search strategy to locate and describe disease processes.
4. Create a differential diagnosis list and decide which entity is most likely based on radiographic and clinical information.
5. Select appropriate management for a variety of abnormalities.
6. Write complete and concise radiology reports.

The Learning Outcomes are in the context of the AQF and specifically address Units 6, 7, 8, 9, of the CCEA Competencies, in particular elements 6.1, 6.2, 6.5, 6.6, 7.2, 9.2, 9.3 with an emphasis on elements 6.4, 7.1, 8.3, and 9.10.

Alignment of Learning Outcomes, Assessment and Graduate Attributes

 N/A Level	 Introductory Level	 Intermediate Level	 Graduate Level	 Professional Level	 Advanced Level
---	--	--	--	--	--

Alignment of Assessment Tasks to Learning Outcomes

Assessment Tasks	Learning Outcomes					
	1	2	3	4	5	6
1 - Written Assessment - 20%		•	•	•	•	•
2 - Practical Assessment - 40%	•	•	•	•		
3 - Examination - 40%				•	•	

Alignment of Graduate Attributes to Learning Outcomes

Graduate Attributes	Learning Outcomes					
	1	2	3	4	5	6
1 - Knowledge	○	○	○	○	○	○
2 - Communication		○	○		○	○
3 - Cognitive, technical and creative skills	○		○	○	○	○
4 - Research		○				
5 - Self-management	○	○			○	○
6 - Ethical and Professional Responsibility			○		○	○
7 - Leadership			○			
8 - 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
1 - Written Assessment - 20%	○			○	○			
2 - Practical Assessment - 40%	○		○			○		
3 - Examination - 40%	○		○			○		

Textbooks and Resources

Textbooks

There are no required textbooks.

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

Kenneth Reckelhoff Unit Coordinator
k.reckelhoff@cqu.edu.au

Schedule

Week 1 - 11 Nov 2019

Module/Topic	Chapter	Events and Submissions/Topic
Introduction to bone lesions and radiologic predictor variables	All page numbers from Yochum & Rowe's Essentials of Skeletal Radiology, Third Edition Chap. 7, pp. 679-718	

Week 2 - 18 Nov 2019

Module/Topic	Chapter	Events and Submissions/Topic
Osseous and Cartilagenous Tumours	Osteoma pp. 1244-1248 Bone island/enostoma pp. 1249-1254 Osteoid Osteoma/osteoblastoma pp. 1254-1267 Osteosarcoma pp. 1184-1194 Enchondroma pp. 1267-1279 Osteochondroma pp. 1226-1237 Chondrosarcoma pp. 1194-1200	

Week 3 - 25 Nov 2019

Module/Topic	Chapter	Events and Submissions/Topic
Fibrous and Miscellaneous Tumours	Fibroanthoma pp. 1285-1290 Fibrosarcoma pp. 1205-1208 Giant cell tumor pp. 1220-1226 Aneurysmal bone cyst pp. 1295-1299 Ewing's sarcoma pp. 1200-1205	

Week 4 - 02 Dec 2019

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

Metastasis and Miscellaneous Tumours	Metastatic bone tumours pp. 1137-1168 Multiple myeloma pp. 1168-1183 Hemangioma pp. 1237-1244 Chordoma pp. 1208-1213 Paget's disease pp.1302-1331 Fibrous dysplasia pp. pp. 1332-1346	Case report #1 due Friday 6 Dec 2019 @ 9 am
--------------------------------------	--	---

Vacation Week - 09 Dec 2019

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

Week 5 - 16 Dec 2019

Module/Topic	Chapter	Events and Submissions/Topic
Trauma Introduction	pp. 793-805 & 929-939	

Week 6 - 23 Dec 2019

Module/Topic	Chapter	Events and Submissions/Topic
Trauma Upper Extremity	Shoulder girdle, elbow and forearm, wrist and hand pp. 889-921	

Week 7 - 06 Jan 2020

Module/Topic	Chapter	Events and Submissions/Topic
Trauma Lower Extremity	Hip, knee, ankle, foot pp. 858-885	

Week 8 - 13 Jan 2020

Module/Topic	Chapter	Events and Submissions/Topic
Trauma Spine	pp. 811-858	Case Report #2 Due 17 Jan 2019 @ 9 am Case Report Due: Week 8 Friday (17 Jan 2020) 9:00 am AEST

Week 9 - 20 Jan 2020

Module/Topic	Chapter	Events and Submissions/Topic
Chest Part 1	Weekly teaching materials posted to Moodle	

Week 10 - 27 Jan 2020

Module/Topic	Chapter	Events and Submissions/Topic
Chest Part 2	Weekly teaching materials posted to Moodle	

Week 11 - 03 Feb 2020

Module/Topic	Chapter	Events and Submissions/Topic
Abdomen	Weekly teaching materials posted to Moodle	

Week 12 - 10 Feb 2020

Module/Topic	Chapter	Events and Submissions/Topic
Review	Weekly teaching materials posted to Moodle	Practical Assessment Practical Assessment Due: Week 12 Friday (14 Feb 2020) 12:00 pm AEST

Exam Week - 17 Feb 2020

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

Assessment Tasks

1 Case Report

Assessment Type

Written Assessment

Task Description

Radiological reports are an important component of clinical management. It's crucial that chiropractors are able to construct adequate reports on films obtained in their clinics and comprehend terminology contained in reports on images obtained from outside institutions. Your task is to construct **TWO (2)** detailed radiology reports on separate case images. Instructions for locating the case images will be provided on the Moodle page.

Please note the following details:

- The report itself should not be more than 600 words.
- A template on which the report will be developed is posted on the Moodle site and you should adhere to this template.
- The images do not have to be embedded within the report.
- The two reports will be due at different times. The first report will be due at the end of week 4. The second and final report will be due at the end of week 8.

Assessment Due Date

Week 8 Friday (17 Jan 2020) 9:00 am AEST

Return Date to Students

Week 10 Friday (31 Jan 2020)

Weighting

20%

Minimum mark or grade

50%

Assessment Criteria

The rubric that will be used to assess the reports can be found below.

Criteria	Proficient	Competent	Not yet competent	Unsatisfactory
Grammar and language	3 points All sections were written in complete sentences without any grammatical or spelling errors.	2 points A single section contained grammatical or spelling errors.	1 point Two sections contained grammatical or spelling errors	0 points More than two sections contained spelling errors
Study description	3 points All views correctly identified.	2 points One view incorrectly identified or omitted.	1 point Two views incorrectly identified or omitted.	0 points More than two views incorrectly identified or omitted.
Organization	3 points Correct formatting and organization utilizing an ABCS or similar format.	2 points A single error formatting of the report has occurred or a single missing section.	1 point Two formatting errors or two missing sections or 1 formatting error and 1 missing section.	0 points More than two formatting errors or missing sections.
Pertinent negatives	3 points At least one is used for each section of the ABCS findings.	2 points Omission of a pertinent negative from one section.	1 point Two pertinent negatives missing.	0 points More than two omissions.
Findings	3 points Findings are clear and accurate with no errors.	2 points A single omission or an incorrect finding has been offered.	1 point Two omissions or incorrect findings offered.	0 points More than two errors.
Impressions	3 points All findings have an appropriate diagnosis or differential diagnosis.	2 points A single omission or an incorrect impression has been offered.	1 point Two omissions or incorrect impressions offered.	0 points More than two errors.

Recommendations	<p>3 points Are appropriate and include labs, contraindications, and further imaging or referrals, if necessary. Or, omitted if no recommendation necessary.</p> <p>2.5 points Confused with treatment plan.</p> <p>2 points Offered an unnecessary recommendation or omitted a recommendation which may lead to harmful intervention.</p> <p>1 point Offered two unnecessary recommendations or omitted two recommendations.</p> <p>0 points More than two errors.</p>
------------------------	--

Referencing Style

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

Submission

Online

Submission Instructions

Original images must also be provided in jpeg, bitmap, tiff or dicom format via email, USB or CD

Learning Outcomes Assessed

- Differentiate normal from abnormal radiographic structures of the body.
- Develop and utilise a search strategy to locate and describe disease processes.
- Create a differential diagnosis list and decide which entity is most likely based on radiographic and clinical information.
- Select appropriate management for a variety of abnormalities.
- Write complete and concise radiology reports.

Graduate Attributes

- Knowledge
- Research
- Self-management

2 Practical Assessment

Assessment Type

Practical Assessment

Task Description

OSCE Examination

25 stations. 2 minutes per station.

Students will be required to review an image with or without an accompanying history from which they will be required to answer a number of short answer questions. The question bank will include content from the radiology lectures as well as relevant normal radiographic anatomy.

Assessment Due Date

Week 12 Friday (14 Feb 2020) 12:00 pm AEST

The actual time scheduled for this assessment will be flexible during week 12. An agreed time prior to week 12 to ensure this assessment does not clash with other lectures/assessments in week 12.

Return Date to Students

Exam Week Monday (17 Feb 2020)

Results will be included in the University release of grades with final examinations and unit grades.

Weighting

40%

Minimum mark or grade

50%

Assessment Criteria

In order to achieve a passing grade or higher, students will be required to demonstrate their competencies in the following areas:

1. Identification of pathologies covered in the course;
2. Apply appropriate terminology to describe the radiographic appearance and diagnosis of pathologies;
3. Demonstrate an understanding of the pathogenesis of the disorders which gives rise to their radiographic appearance;
4. Demonstrate an understanding of the contraindications to manual therapies;
5. Demonstrate and understanding of appropriate referral including GP, Specialist, Advanced Imaging, Pathology.

Referencing Style

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

Submission

Offline

Learning Outcomes Assessed

- Identify the radiographic signs of disease.
- Differentiate normal from abnormal radiographic structures of the body.
- Develop and utilise a search strategy to locate and describe disease processes.
- Create a differential diagnosis list and decide which entity is most likely based on radiographic and clinical information.

Graduate Attributes

- Knowledge
- Cognitive, technical and creative skills
- Ethical and Professional Responsibility

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%

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