



# CHIR20007 *Diagnostic Imaging 2*

## Term 3 - 2017

Profile information current as at 27/04/2024 07:27 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.

### 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 - 2017

- Distance

#### 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 Student feedback

##### Feedback

Students identified that the content volume was very high

##### Recommendation

It is recommended that students will be informed verbally and in writing that they should expect to dedicate a minimum of 4 hours of self study, beyond the lecture provisions and an additional 2-4 hours of practical study beyond the scheduled tutorials, per week to stay on top of the content. Students should seek assistance as early as possible if difficulties arise. The lecturer has an open door policy for students to assist with course-work.

#### Feedback from Student feedback

##### Feedback

Students stated that they want the lecture recordings put up earlier than the week of the lecture

##### Recommendation

It is recommended that all lecture slides are available for the entire term prior to week one. Students will be directed to look to their recommended text book for further information, including condition summaries, prior to the lecture. Lecture recordings will be available the week prior to delivery.

## 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



### 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%	•	•	•	•		

Assessment Tasks	Learning Outcomes					
	1	2	3	4	5	6
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

**Martin Timchur** Unit Coordinator

[m.timchur@cqu.edu.au](mailto:m.timchur@cqu.edu.au)

## Schedule

### Week 1 - 06 Nov 2017

Module/Topic	Chapter	Events and Submissions/Topic
Roentgen Signs		Assignment Issued

### Week 2 - 13 Nov 2017

Module/Topic	Chapter	Events and Submissions/Topic
Osseous and Cartilagenous Tumours		

### Week 3 - 20 Nov 2017

Module/Topic	Chapter	Events and Submissions/Topic
Fibrous and Miscellaneous Tumours		

### Week 4 - 27 Nov 2017

Module/Topic	Chapter	Events and Submissions/Topic
Metastasis and Miscellaneous Tumours		

### Vacation Week - 04 Dec 2017

Module/Topic	Chapter	Events and Submissions/Topic
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### Week 5 - 11 Dec 2017

Module/Topic	Chapter	Events and Submissions/Topic
Trauma Introduction		

### Week 6 - 18 Dec 2017

Module/Topic	Chapter	Events and Submissions/Topic
Trauma Upper Extremity		

### Week 7 - 01 Jan 2018

Module/Topic	Chapter	Events and Submissions/Topic
Trauma Lower Extremity		

### Week 8 - 08 Jan 2018

Module/Topic	Chapter	Events and Submissions/Topic
Trauma Spine		Case Report Due  <b>Case Report</b> Due: Week 8 Monday (8 Jan 2018) 5:00 pm AEST

### Week 9 - 15 Jan 2018

Module/Topic	Chapter	Events and Submissions/Topic
Chest Part 1		

**Week 10 - 22 Jan 2018**

Module/Topic	Chapter	Events and Submissions/Topic
Chest Part 2		

**Week 11 - 29 Jan 2018**

Module/Topic	Chapter	Events and Submissions/Topic
Abdomen		

**Week 12 - 05 Feb 2018**

Module/Topic	Chapter	Events and Submissions/Topic
Review		Practical Assessment  <b>Practical Assessment Due:</b> Week 12 Tuesday (6 Feb 2018) 11:45 pm AEST

**Review/Exam Week - 12 Feb 2018**

Module/Topic	Chapter	Events and Submissions/Topic

**Exam Week - 12 Feb 2018**

Module/Topic	Chapter	Events and Submissions/Topic

## Term Specific Information

## Assessment Tasks

### 1 Case Report

**Assessment Type**

Written Assessment

**Task Description**

Assignment 1500 words maximum.

Please select an example of a disorder covered within the lecture content and obtain appropriate imaging to demonstrate the abnormality in a digital format from the internet, or other means. The original source must be referenced appropriately and de-identified for privacy.

Write a detailed radiology report on the disorder and include a short literature review to explain the clinical (including aetiology), pathological and radiological presentations of this disorder.

The images must be provided in a digital format as well as embedded within the assignment.

**Assessment Due Date**

Week 8 Monday (8 Jan 2018) 5:00 pm AEST

**Return Date to Students**

Week 10 Monday (22 Jan 2018)

**Weighting**

20%

**Minimum mark or grade**

50%

**Assessment Criteria**

1. Provide appropriate images to demonstrate the pathology on conventional x-ray and/or advanced imaging. At least two views of the abnormality are required for x-ray images and/or at least two views with multiple spin echo sequences for MRI. (no marks awarded for this criteria)
2. Provide a detailed radiological narrative report including all relevant findings and pertinent negative findings. Include a clinical impression and appropriate recommendations. 10 marks
3. Provide a discussion including a minimum of 5 references from up to date peer-reviewed journal literature covering

the aetiology, clinical presentation, pathological and radiological features of the disorder. 40 marks  
Up to 3 marks will be deducted for poor quality, format and/or appropriateness of referencing.

### 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 from the radiographic positioning manual and practical sessions. Some normal radiographic anatomy knowledge is also required.

### Assessment Due Date

Week 12 Tuesday (6 Feb 2018) 11:45 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 (12 Feb 2018)

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