



# MEDI12006 *Imaging Procedures 2*

## Term 2 - 2024

Profile information current as at 29/07/2024 06:00 pm

All details in this unit profile for MEDI12006 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

Imaging Procedures 2 will build upon your foundation knowledge and skills developed in Imaging Procedures 1. On completion of this unit, you should be able to perform routine radiographic examinations of the axial and appendicular skeleton, chest, abdomen and craniofacial structures. You will expand your image assessment and interpretation skills to radiography of the axial skeleton. You will be introduced to additional areas of radiographic practice, including mammography, bone mineral densitometry and mobile x-ray imaging. This unit includes a large element of clinical simulation to enhance readiness for clinical placement.

### 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: MPAT12001 Medical Pathophysiology MEDI12001 Radiation Science MEDI12002 Science and Instrumentation 1 MEDI12003 Imaging Procedures 1 Co-requisites: MEDI12004 Medical Imaging Clinical Placement 1MEDI12005 Science and Instrumentation 2

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 - 2024

- 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. **Practical Assessment**

Weighting: Pass/Fail

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

Weighting: 30%

#### 3. **Portfolio**

Weighting: 30%

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

Weighting: 40%

#### 5. **Practical Assessment**

Weighting: Pass/Fail

#### 6. **Practical Assessment**

Weighting: Pass/Fail

#### 7. **Laboratory/Practical**

Weighting: Pass/Fail

### 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**

Use of 2 minute warning timer in practical assessments was appreciated and helped students manage their time.

**Recommendation**

Investigate the feasibility of including a 2 minute warning timer for all practical assessments.

#### Feedback from Staff observation.

**Feedback**

Students were not utilising the full 1.5 hours of weekly independent practice labs, with some students leaving after as little as 30 minutes.

**Recommendation**

Reiterate to students the importance of the weekly independent practice labs to consolidate learning and to prepare for practical assessment tasks.

#### Feedback from Student feedback, Unit Coordinator reflection.

**Feedback**

Some students did not appear to understand the accreditation requirements within assessment tasks.

**Recommendation**

Emphasise to the students that the assessment tasks are aligned with the professional standards set by the registration body as part of accreditation requirements.

## Unit Learning Outcomes

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

1. Perform safely and effectively at an advanced beginner level simulated radiographic examinations of all body regions, focusing on commonly requested examination on ambulant adults
2. Demonstrate patient care and professional behaviours in the simulated clinical environment
3. Assess radiographs for technical sufficiency
4. Discuss methods to modify a radiographic examination to improve technical sufficiency and/or better demonstrate required anatomy
5. Identify radiographic appearances of normal anatomical structures, common normal variants and common pathologies on radiographic images all body regions
6. Use technical terminology correctly in discussing the set-up of the beam, patient and image receptor for radiographic examinations and in discussing radiographic images and their appearances
7. Discuss the indications for, anatomical features demonstrated by, technical set-ups, patient care requirements and specific imaging goals of routine radiographic projections of all body regions of ambulant adult patients
8. Discuss the techniques, patient care requirements and safety considerations of mammography, bone mineral densitometry, dental imaging and, at an introductory level, mobile and theatre imaging.

Medical Radiation Practice Board of Australia (MRPBA) Professional Capabilities for Medical Radiation Practice (2020)

Domain 1: Medical radiation practitioner: capabilities 1, 2, 4, 6, and 7

Domain 1A: Diagnostic radiographer: capability 1

Domain 2: Professional and ethical practitioner: capabilities 1 and 2

Domain 3: Communicator and collaborator: capabilities 1 and 2

Domain 4: Evidence-informed practitioner: capabilities 1 and 2

Domain 5: Radiation safety and risk manager: capabilities 1 and 2



## Textbooks and Resources

### Textbooks

MEDI12006

#### Prescribed

##### **Accident and Emergency Radiology: A Survival Guide**

3rd Edition (2015)

Authors: Raby, Berman, De Lacey

Elsevier

Sydney , NSW , Australia

ISBN: 9780702042324

Binding: Paperback

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#### Prescribed

##### **Bontrager's Handbook of Radiographic Positioning and Techniques**

10th Edition (2021)

Authors: John P. Lampignano & Leslie E. Kendrick

Elsevier

St. Louis , Missouri , USA

ISBN: 9780323694223

Binding: Spiral

MEDI12006

#### Prescribed

##### **Bontrager's Textbook of Radiographic Positioning and Related Anatomy**

10th Edition (2021)

Authors: John P. Lampignano & Leslie E. Kendrick

Elsevier

St. Louis , Missouri , USA

ISBN: 9780323653671

Binding: Hardcover

[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: [Vancouver](#)

For further information, see the Assessment Tasks.

## Teaching Contacts

**Carolyn Agioritis** Unit Coordinator

[c.e.agioritis@cqu.edu.au](mailto:c.e.agioritis@cqu.edu.au)

## Schedule

### Week 1 - 08 Jul 2024

Module/Topic	Chapter	Events and Submissions/Topic
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Week 2 - 15 Jul 2024		
Module/Topic	Chapter	Events and Submissions/Topic
Week 3 - 22 Jul 2024		
Module/Topic	Chapter	Events and Submissions/Topic
Week 4 - 29 Jul 2024		
Module/Topic	Chapter	Events and Submissions/Topic
Week 5 - 05 Aug 2024		
Module/Topic	Chapter	Events and Submissions/Topic
Vacation Week - 12 Aug 2024		
Module/Topic	Chapter	Events and Submissions/Topic
Week 6 - 19 Aug 2024		
Module/Topic	Chapter	Events and Submissions/Topic
Imaging of the Cervical Spine & Thoracic Spine	Bontrager's Textbook of Radiographic Anatomy (10th ed.), Chapter 8  Bontrager's Handbook of Radiographic Positioning and Techniques (10th ed.), Chapter 6	Tutorial
Week 7 - 26 Aug 2024		
Module/Topic	Chapter	Events and Submissions/Topic
Imaging of the Lumbar Spine & Sacrococcygeal Spine	Bontrager's Textbook of Radiographic Anatomy (10th ed.), Chapter 9  Bontrager's Handbook of Radiographic Positioning and Techniques (10th ed.), Chapter 6	Tutorial
Week 8 - 02 Sep 2024		
Module/Topic	Chapter	Events and Submissions/Topic
Imaging of the Skull	Bontrager's Textbook of Radiographic Anatomy (10th ed.), Chapter 11  Bontrager's Handbook of Radiographic Positioning and Techniques (10th ed.), Chapter 8	Tutorial
Week 9 - 09 Sep 2024		
Module/Topic	Chapter	Events and Submissions/Topic
Imaging of the Facial Bones & Paranasal Sinuses	Bontrager's Textbook of Radiographic Anatomy (10th ed.), Chapter 11  Bontrager's Handbook of Radiographic Positioning and Techniques (10th ed.), Chapter 8	Tutorial  <b>Practical Assessment 1</b> Due: Week 9 Monday or Tuesday (9 - 10 Sept 2024)
Week 10 - 16 Sep 2024		
Module/Topic	Chapter	Events and Submissions/Topic
Introduction to Mammography	Bontrager's Textbook of Radiographic Anatomy (10th ed.), Chapter 20, Part 5	Tutorial  <b>Online Quiz</b> Due: Week 10 Monday (16 Sept 2024) 12:30 pm AEST
Week 11 - 23 Sep 2024		
Module/Topic	Chapter	Events and Submissions/Topic

Introduction to Mobile & Theatre Radiography	Bontrager's Textbook of Radiographic Anatomy (10th ed.), Chapter 15	Tutorial
	Bontrager's Handbook of Radiographic Positioning and Techniques (10th ed.), Chapter 10	<b>Image Evaluation Portfolio</b> Due: Week 11 Monday (23 Sept 2024) 9:00 am AEST

**Week 12 - 30 Sep 2024**

Module/Topic	Chapter	Events and Submissions/Topic
Introduction to Dental Radiography & Bone Densitometry	Bontrager's Textbook of Radiographic Anatomy (10th ed.), Chapter 11 p.436 & Chapter 20, Part 6	Tutorial <b>Professional Behaviours</b> Due: Week 12 Friday (4 Oct 2024) 3:00 pm AEST

**Review/Exam Week - 07 Oct 2024**

Module/Topic	Chapter	Events and Submissions/Topic
		<b>Practical Assessment 2</b> Due: Review/ Exam Week Tuesday or Wednesday (8 -9 Oct 2024) <b>Re-tests for Practical Assessment 1</b> Due: Friday 11th October 2024 <b>Re-tests for Practical Assessment 2</b> Due: Friday 11th October 2024 <b>In-Class Test</b> Due: Review/Exam Week Thursday (10 Oct 2024) 1:00 pm AEST

**Exam Week - 14 Oct 2024**

Module/Topic	Chapter	Events and Submissions/Topic
		<b>Practical Assessment 3</b> Due: Exam Week Tuesday or Wednesday (15 - 16 Oct 2024) <b>Re-tests for Practical Assessment 3</b> Due: Friday 18th October 2024

## Term Specific Information

This is a condensed unit running at Mackay Ooralea campus from Week 6 until Week 14. You will need to be on campus for tutorials, labs, practical assessments and practical re-tests, from Week 6 until Friday of Week 14. Tutorials will not be recorded.

Each week's tutorial and lab activities builds on the content of the pre-recorded lectures for the weeks, so you need to ensure you have watched the lectures prior to attending labs and tutorials. This is a lab intensive unit. You should plan to attend all labs and tutorials as this will be integral to the development of knowledge and skills required for the assessments of the unit. You are expected to practice your positioning techniques during the timetabled practice sessions that follow your first lab class each week. The pace of class lab activities has been set with this expectation of practice and corresponding skill development. You are required to wear the Medical Imaging uniform for all learning activity in the x-ray labs. This includes the Medical Imaging course shirt with dress pants/shorts/skirts and safe, closed-in footwear and your name badge.

Even though this unit is condensed in length, note that the requirement of 150 hours of student engagement with the unit still holds. You should expect to spend approximately 19 hours per week on campus for this unit. This includes pre-recorded lectures, supervised and practice lab sessions, tutorials and your personal study time.

This includes, per week:

Pre-readings: 1 hour

Pre-recorded Lectures: 2-3 hours

Supervised labs: 2.5 hours

Independent labs: 1.5 hours

Tutorials: 2 hours

Personal study time and test preparation: 9 hours

This unit is designed to run concurrently with MEDI12005 Science & Instrumentation 2. You are expected to apply your knowledge and skills from MEDI12005 to the learning activities and assessments in this unit.

## Assessment Tasks

### 1 1 Practical Assessment 1

#### Assessment Type

Practical Assessment

#### Task Description

Performing simulated radiography techniques in the x-ray lab environment allows you to apply your learned skills, by positioning your peers as patients for simulated x-ray examinations and modifying technical factors. Attending the supervised and independent practice lab sessions is crucial to your learning success and preparation for your clinical placements.

**Practical Assessment 1 measures your skill in performing radiographic projections of the spine covered in weeks 6 and 7 in this unit, MEDI12006 - Imaging Procedures 2.**

Practical Assessment 1 is an individual 15 minute practical assessment in the x-ray suite. You will perform two simulated conventional radiography projections on one assigned region of the spine using a peer as your patient. Feedback provided from this assessment will enable you to structure your learning and make improvements to your performance in preparation for Practical Assessments 2 & 3 in Weeks 13 & 14, respectively.

Practical Assessment 1 will evaluate your ability to perform a radiographic examination on a non-complex patient. This performance includes patient care and communication, examination justification, patient positioning, imaging technique, safe practice and management of the radiographic process.

Please note:

- This is a timed examination. You will have **15 minutes** to complete the assessment. Any practical elements not completed within the allocated 15 minutes will be scored as not attempted.
- You must present for this assessment wearing the Medical Imaging clinical uniform.



- This assessment task will be video-recorded to enable moderation.
- As this is a simulation of a clinical procedure, you must perform this assessment without referring to any guidance resources (e.g. notes, texts, electronic devices) – this is a closed book assessment.

If have demonstrated a reasonable attempt to complete the assessment on the initial attempt and you do not achieve the minimum requirements, you will be given one re-attempt. The re-attempt will be scheduled on Friday 11th October, 2024.

This is a pass/fail assessment item that must be completed during your timetabled practical session date and time. If you have extenuating circumstances that cause you to be unable to attend your practical at your timetabled date and time, you must apply for an assessment extension. See Section 5 of the University's Assessment Policy and Procedure for details regarding assessment management, specifically around assessment extension. If your request for an extension is approved, you will be assigned a new practical date/time which will be set according to the availability of the imaging facilities and supervising staff. It is your responsibility to ensure that you can attend at that new assigned date/time. In the absence of an approved extension, you will not be able to complete this task at a later date and would thus receive a Fail grade for the assessment task, which would result in a Fail grade for the unit.

### **Assessment Due Date**

At your timetabled practical session on Monday or Tuesday of Week 9 (9 - 10 September 2024)

### **Return Date to Students**

Written feedback provided within two weeks of assessment

### **Weighting**

Pass/Fail

### **Minimum mark or grade**

Pass

### **Assessment Criteria**

Your performance will be scored on your ability to perform the tasks to complete the assigned radiographic imaging examination following the posted performance standards for the assessment.

Your performance target is to perform each task completely and correctly at the level of the stated standard. Tasks designated as 'critical' must be performed with no errors or omissions.

### **To achieve a pass on this assessment task, within a single attempt you must:**

- Complete all 13 critical tasks with no errors or omissions (scored 5/5 on the feedback form)
- Attempt all 27 non-critical tasks and of those:
  - Perform at least 10 with no errors or component omissions (scored 5/5)
  - Perform no more than 6 with two errors and/or component omissions (scored 3/5)
  - Perform the rest with at most one error or component omission (scored 4 or 5/5)
  - Perform no tasks with errors or omissions which lead to a score of 1/5 or 2/5

### **Referencing Style**

- [Vancouver](#)

### **Submission**

Offline

### **Submission Instructions**

Practical Assessment in the X-Ray Laboratory

### **Learning Outcomes Assessed**

- Perform safely and effectively at an advanced beginner level simulated radiographic examinations of all body regions, focusing on commonly requested examination on ambulant adults
- Demonstrate patient care and professional behaviours in the simulated clinical environment

## **2 Online Quiz**

### **Assessment Type**

Online Quiz(zes)

## Task Description

This online test assesses your knowledge and understanding of content covered in Weeks 6 to 9 inclusive.

This test is a Moodle quiz. It will be available to you between 11am and 12.30pm AEST on Monday 16th September, 2024. You will have 60 minutes to complete the test. Once you open the test you will not be able to pause or re-start it. Any unanswered questions or unsaved responses will receive a mark of zero. The test will close 60 minutes after you start the test, or at 12:30pm, whichever comes first.

**This is an open book test.** This means that during the test you may access your study notes, textbook, the unit Moodle site and/or website. **The standards of academic integrity still apply.** All responses must be your own work. During the test you may not consult with any other person via any means or accept any input or assistance from any other person, group or artificial intelligence (AI) regarding the test questions and your responses. Colluding with other students on non-group work is considered academic misconduct. Just as for written assignments, you must acknowledge intellectual content in your answers that is not your own work. Basic statements of facts are considered 'common knowledge' in the context of this unit so they do not need to be cited. However, if you copy any explanation content word-for-word from ANY source, you must put that content in quotation marks and formally cite your sources. Although this is an open book test, the expectation is that you will be familiar with the unit content and concepts. You should not assume you will have time to look up the answer to every question. At the start of the test you will need to make a declaration that you understand these rules of academic integrity and that you agree to abide by them. Any identified cases of potential collusion will result in a breach of academic integrity case being raised.

In the absence of an approved assessment extension, if you do not complete the test by the stated due date and time, you will receive a mark of zero for this assessment.

## Number of Quizzes

1

## Frequency of Quizzes

### Assessment Due Date

Week 10 Monday (16 Sept 2024) 12:30 pm AEST

### Return Date to Students

Week 12 Monday (30 Sept 2024)

## Weighting

30%

## Assessment Criteria

Your responses are scored on the following criteria:

- Clarity, correctness, relevance and completeness of the response in addressing the question that was asked
- Correct use of professional terminology
- Correct selection and application of core concepts to the specific content of the question
- Evidence of problem-solving and critical thinking

The number of marks for each question are allocated based on the depth and breadth of the required response and will be indicated in the quiz.

## Referencing Style

- [Vancouver](#)

## Submission

Online

## Learning Outcomes Assessed

- Assess radiographs for technical sufficiency
- Discuss methods to modify a radiographic examination to improve technical sufficiency and/or better demonstrate required anatomy
- Identify radiographic appearances of normal anatomical structures, common normal variants and common pathologies on radiographic images all body regions
- Use technical terminology correctly in discussing the set-up of the beam, patient and image receptor for radiographic examinations and in discussing radiographic images and their appearances
- Discuss the indications for, anatomical features demonstrated by, technical set-ups, patient care requirements and specific imaging goals of routine radiographic projections of all body regions of ambulant adult patients

## 3 Image Evaluation Portfolio

### Assessment Type

Portfolio

### Task Description

It is important that Radiographers have the necessary skills and knowledge to safely and effectively image patients. This involves patient positioning, equipment set-up and appropriate technical factor selection. Another important aspect is the ability to evaluate resultant images for positioning and technical sufficiency.

This task assesses your knowledge and skills in the evaluation of radiographic images for positioning and technical sufficiency. You will demonstrate that you know how each radiograph ought to appear, that you are able to determine whether or not the image matches the expected appearances and that if it does not, you would know how to correct any noted errors or omissions.

The images that you will evaluate will be from the list of radiographic projections that you are expected to learn and perform in this unit. You will be provided with a total, eight (8) images, two from each of these anatomical regions:

- Cervical Spine
- Thoracic Spine
- Lumbar Spine
- Facial Bones

These images will be provided to you on Moodle in a portfolio that includes the proforma for your evaluations. You will use this proforma to document your evaluation of the positioning and technical sufficiency of **all** the supplied radiographs. All fields in the proforma must be completed. In tutorials you will practice image evaluation using the proforma to support your understanding of the depth of response required for each section and the appropriate use of technical terminology to articulate your responses.

Your responses on your proforma will need to address the radiographs you have been provided and thus will not necessarily be the same as those of your classmates.

Your image portfolio and evaluation proformas must be your own work. Any identified cases of potential collusion will result in a breach of academic integrity case being raised.

Not all of your image evaluations will be assessed. Your submissions will be scored with the marker selecting two image evaluations at random for assessment.

### Assessment Due Date

Week 11 Monday (23 Sept 2024) 9:00 am AEST

### Return Date to Students

Review/Exam Week Monday (7 Oct 2024)

### Weighting

30%

### Assessment Criteria

This portfolio is assessed on the following aspects:

- Completeness relative to the requirements stated in the Task Description regarding the number and type of projection images and their evaluations. All 8 image evaluations must be submitted. Any submissions containing less than 8 submissions will receive a mark of zero for this assessment task.
- Correctness and completeness of the scored image evaluations

Each image evaluation has nine (9) individual factors. Each factor is scored as 1, 0.5 or 0 using the criteria stated below. The maximum possible score for one image evaluation is nine (9) points.

To receive any marks for each individual factor you **MUST** correctly determine if the image meets acceptance criteria in each of the stated factors. If this section is incorrect, no marks will be awarded for that factor. If the follow-up action section is left blank, no marks will be awarded for that factor.

You will receive full marks for each factor if:

- You correctly determine whether the image meets acceptance criteria **AND**

- You correctly and completely justify the decision regarding whether the factor meets acceptance criteria, describing the acceptance requirements and comparing this with the image being evaluated AND
- You correctly and completely describe any follow-up action required to improve each factor if that factor does not meet acceptance criteria. If no follow-up action is required, this must be stated explicitly. Leaving this section blank will garner zero marks for that factor.

You will receive half-marks for each factor if:

- You have correctly determined if the image meets acceptance criteria AND
- Your justification regarding whether the factor meets acceptance criteria is mostly correct and complete, with only 1 or 2 errors or omissions OR
- Your follow-up action required to improve each factor if that factor does not meet acceptance criteria is mostly correct and complete, with 1 or 2 errors or omissions. If no follow-up action is required, this must be stated explicitly.

You will receive zero marks for each factor if:

- You incorrectly determine the image meets acceptance criteria in each of the stated factors OR
- You have left the section related to follow-up action blank OR
- Your justification is significantly incomplete or inaccurate OR
- Your stated follow-up action is significantly incomplete or inaccurate OR
- Both the justification AND follow up action demonstrate 1 or 2 errors or omissions.

### Referencing Style

- [Vancouver](#)

### Submission

Online

### Learning Outcomes Assessed

- Perform safely and effectively at an advanced beginner level simulated radiographic examinations of all body regions, focusing on commonly requested examination on ambulant adults
- Assess radiographs for technical sufficiency
- Discuss methods to modify a radiographic examination to improve technical sufficiency and/or better demonstrate required anatomy

## 4 In-Class Test

### Assessment Type

In-class Test(s)

### Task Description

This assessment is an in-class closed-book online Moodle test taking place on campus. As health care professionals, radiographers must consider many variables during the radiographic imaging process and be able to apply their imaging knowledge and skills to solve problems as they present clinically. This test is focusing on professional content that you should have as 'ready' knowledge in preparation for your upcoming clinical placements.

This in-class test includes the use of images in the form of referrals, diagrams, photographs, radiographic images, and line drawings. These images are used as a basis for a series of questions related to each image. Subjects covered include amongst others, patient positioning, image quality and improvement, anatomy, radiographic pathology, radiographic technique and patient care. You are required to review the included images and to answer all questions related to each image. The radiographic images offered may be from any examination category covered in Imaging Procedures 1 or 2.

This test will demonstrate your ability to apply the concepts, theory and use the terminology from Imaging Procedures 1 and 2.

You will sit this test at your timetabled assessment time on the due date in your assigned testing room. There are two back-to-back sittings of this test so your test start and end time will depend on your registered session. You will be admitted entry to the test room at your test start time. You will log onto your computer workstation and into Moodle. The test will open at the scheduled time for your timetabled session, giving you 90 minutes of time to enter your responses. As with any Moodle test, your test will close automatically when the 90 minutes has elapsed.

In the absence of an approved extension, you cannot complete this assessment at a later time, and you will receive a mark of zero for the assessment if you have not completed it by your timetabled date and time. If you have an approved extension, you will be assigned a new test date and time as soon as possible after the original test date, according to availability of a test supervisor and an appropriate room. It is your responsibility to ensure that you can attend at that new assigned date/time. Please see Section 5 of the University's Assessment Policy and Procedure for details regarding Assessment Management, specifically around assessment extension.

**Assessment Due Date**

Review/Exam Week Thursday (10 Oct 2024) 1:00 pm AEST

**Return Date to Students**

Feedback provided within two weeks of assessment

**Weighting**

40%

**Minimum mark or grade**

50%

**Assessment Criteria**

Your responses are scored on the following criteria:

- Clarity, correctness, relevance and completeness of the response in addressing the question that was asked
- Correct use of professional terminology
- Correct selection and application of core concepts to the specific content of the question
- Evidence of problem-solving and critical thinking

The number of marks for each question are allocated based on the depth and breadth of the required response and will be indicated in the quiz.

**Referencing Style**

- [Vancouver](#)

**Submission**

Online

**Learning Outcomes Assessed**

- Assess radiographs for technical sufficiency
- Discuss methods to modify a radiographic examination to improve technical sufficiency and/or better demonstrate required anatomy
- Identify radiographic appearances of normal anatomical structures, common normal variants and common pathologies on radiographic images all body regions
- Use technical terminology correctly in discussing the set-up of the beam, patient and image receptor for radiographic examinations and in discussing radiographic images and their appearances
- Discuss the indications for, anatomical features demonstrated by, technical set-ups, patient care requirements and specific imaging goals of routine radiographic projections of all body regions of ambulant adult patients
- Discuss the techniques, patient care requirements and safety considerations of mammography, bone mineral densitometry, dental imaging and, at an introductory level, mobile and theatre imaging.

## 5 Practical Assessment 2

**Assessment Type**

Practical Assessment

**Task Description**

Performing simulated radiography techniques in the x-ray lab environment allows you to apply your learned skills, by positioning your peers as patients for simulated x-ray examinations and modifying technical factors. Attending the supervised and independent practice lab sessions is crucial to your learning success and preparation for your clinical placements.

**Practical Assessment 2 measures your skill in performing radiographic projections of body regions covered in this unit, MEDI12006 - Imaging Procedures 2.**

Practical Assessment 2 is an individual 15 minute practical assessment in the x-ray suite. You will perform two simulated conventional radiography projections on one assigned body region covered in this unit using a peer as your patient.

Feedback provided from this assessment will enable you to structure your learning and make improvements to your performance in preparation for Practical Assessments 3 in Week 14.

Practical Assessment 2 will evaluate your ability to perform a radiographic examination on a non-complex patient. This performance includes patient care and communication, examination justification, patient positioning, imaging technique, safe practice and management of the radiographic process.

Please note:

- This is a timed examination. You will have **15 minutes** to complete the assessment. Any practical elements not completed within the allocated 15 minutes will be scored as not attempted.
- You must present for this assessment wearing the Medical Imaging clinical uniform.
- This assessment task will be video-recorded to enable moderation.
- As this is a simulation of a clinical procedure, you must perform this assessment without referring to any guidance resources (e.g. notes, texts, electronic devices) – this is a closed book assessment.

If have demonstrated a reasonable attempt to complete the assessment on the initial attempt and you do not achieve the minimum requirements, you will be given one re-attempt. The re-test will be scheduled on Friday 11th October, 2024.

This is a pass/fail assessment item that must be completed during your timetabled practical session date and time. If you have extenuating circumstances that cause you to be unable to attend your practical at your timetabled date and time, you must apply for an assessment extension. See Section 5 of the University's Assessment Policy and Procedure for details regarding assessment management, specifically around assessment extension. If your request for an extension is approved, you will be assigned a new practical date/time which will be set according to the availability of the imaging facilities and supervising staff. It is your responsibility to ensure that you can attend at that new assigned date/time. In the absence of an approved extension, you will not be able to complete this task at a later date and would thus receive a Fail grade for the assessment task, which would result in a Fail grade for the unit.

### **Assessment Due Date**

At your timetabled practical session on Tuesday or Wednesday of Review/Exam Week (8th or 9th October, 2024)

### **Return Date to Students**

Detailed feedback within two weeks of assessment

### **Weighting**

Pass/Fail

### **Minimum mark or grade**

Pass

### **Assessment Criteria**

Your performance will be scored on your ability to perform the tasks to complete the assigned radiographic imaging examination following the posted performance standards for the assessment.

Your performance target is to perform each task completely and correctly at the level of the stated standard. Tasks designated as 'critical' must be performed with no errors or omissions.

### **To achieve a pass on this assessment task, within a single attempt you must:**

- Complete all 13 critical tasks with no errors or omissions (scored 5/5 on the feedback form)
- Attempt all 27 non-critical tasks and of those:
  - Perform at least 7 with no errors or component omissions (scored 5/5)
  - Perform the rest with at most one error or component omission (scored 4 or 5/5)
  - Perform no tasks with errors or omissions which lead to a score of 1/5 or 2/5 or 3/5

### **Referencing Style**

- [Vancouver](#)

### **Submission**

Offline

### **Submission Instructions**

Practical Assessment in the X-Ray Laboratory

## Learning Outcomes Assessed

- Perform safely and effectively at an advanced beginner level simulated radiographic examinations of all body regions, focusing on commonly requested examination on ambulant adults
- Demonstrate patient care and professional behaviours in the simulated clinical environment

## 6 6 Practical Assessment 3

### Assessment Type

Practical Assessment

### Task Description

Performing simulated radiography techniques in the x-ray lab environment allows you to apply your learned skills, by positioning your peers as patients for simulated x-ray examinations and modifying technical factors. By the end of this unit, your radiographic skills should be at the level of advanced beginner for general radiography on non-complex patients. This ensures your technical readiness for your next clinical placement unit.

### **Practical Assessment 3 measures your skill in performing radiographic projections of body regions covered in the pre-requisite unit, MEDI12003 - Imaging Procedures 1.**

Practical Assessment 3 is an individual 12 minute practical assessment in the x-ray suite. You will perform two simulated conventional radiography projections on one assigned body region covered in MEDI12003 - Imaging Procedures 1 using a peer as your patient.

Practical Assessment 3 will evaluate your ability to perform a radiographic examination on a non-complex patient. This performance includes patient care and communication, examination justification, patient positioning, imaging technique, safe practice and management of the radiographic process.

Please note:

- This is a timed examination. You will have **12 minutes** to complete the assessment. Any practical elements not completed within the allocated 12 minutes will be scored as not attempted.
- You must present for this assessment wearing the Medical Imaging clinical uniform.
- This assessment task will be video-recorded to enable moderation.
- As this is a simulation of a clinical procedure, you must perform this assessment without referring to any guidance resources (e.g. notes, texts, electronic devices) - this is a closed book assessment.

If have demonstrated a reasonable attempt to complete the assessment on the initial attempt and you do not achieve the minimum requirements, you will be given one re-attempt. The re-test will be scheduled on Friday 18th October, 2024.

This is a pass/fail assessment item that must be completed during your timetabled practical session date and time. If you have extenuating circumstances that cause you to be unable to attend your practical at your timetabled date and time, you must apply for an assessment extension. See Section 5 of the University's Assessment Policy and Procedure for details regarding assessment management, specifically around assessment extension. If your request for an extension is approved, you will be assigned a new practical date/time which will be set according to the availability of the imaging facilities and supervising staff. It is your responsibility to ensure that you can attend at that new assigned date/time. In the absence of an approved extension, you will not be able to complete this task at a later date and would thus receive a Fail grade for the assessment task, which would result in a Fail grade for the unit.

### Assessment Due Date

At your timetabled practical session on Tuesday or Wednesday of Exam Week (15 - 16 October 2024)

### Return Date to Students

Detailed feedback within two weeks of assessment.

### Weighting

Pass/Fail

### Minimum mark or grade

Pass

### Assessment Criteria

Your performance will be scored on your ability to perform the tasks to complete the assigned radiographic imaging examination following the posted performance standards for the assessment.

Your performance target is to perform each task completely and correctly at the level of the stated standard. Tasks designated as 'critical' must be performed with no errors or omissions.

**To achieve a pass on this assessment task, within a single attempt you must:**

- Complete all 13 critical tasks with no errors or omissions (scored 5/5 on the feedback form)
- Attempt all 27 non-critical tasks and of those:
  - Perform at least 7 with no errors or component omissions (scored 5/5)
  - Perform the rest with at most one error or component omission (scored 4 or 5/5)
  - Perform no tasks with errors or omissions which lead to a score of 1/5 or 2/5 or 3/5

**Referencing Style**

- [Vancouver](#)

**Submission**

Offline

**Submission Instructions**

Practical Assessment in the X-Ray Laboratory

**Learning Outcomes Assessed**

- Perform safely and effectively at an advanced beginner level simulated radiographic examinations of all body regions, focusing on commonly requested examination on ambulant adults
- Demonstrate patient care and professional behaviours in the simulated clinical environment

## 7 Professional Behaviours

**Assessment Type**

Laboratory/Practical

**Task Description**

Professional behaviour is a vital component of competency as a health care professional. As such you will be expected to demonstrate this consistently whilst working in the simulated clinical environment of the imaging labs.

The Professional Behaviours Assessment Form, which contains both the detailed descriptors of required behaviours and your record of performance, is available on the unit Moodle site. You must bring it with you to each of your scheduled supervised practical lab classes for this unit. This form details the behaviours required. Your lab supervisor will assess your performance relative to the stated standards. Your lab supervisor will complete and sign the form every session.

You are encouraged to make a copy or scan of your form periodically during the term as there is no way to re-do this form if you misplace it. Following your final lab class in Week 12 you are required to upload the completed form into Moodle by the due date.

In the absence of an approved extension, you will not be able to submit this task at a later date and would thus receive a Fail grade for the assessment, which would result in a Fail grade for the unit.

**Assessment Due Date**

Week 12 Friday (4 Oct 2024) 3:00 pm AEST

**Return Date to Students**

Exam Week Friday (18 Oct 2024)

**Weighting**

Pass/Fail

**Minimum mark or grade**

Pass

**Assessment Criteria**

Assessed upon:

- Attendance
- Punctuality
- Professional attire
- Preparedness
- Productivity
- Teamwork



- Professional decorum
- Feedback

Detailed assessment criteria and the required form are available on the unit Moodle site.

You will receive 8 points per lab class if all assessment criteria are met. Points will be deducted for any criteria, including attendance, where you have not demonstrated the behaviour to the required standard.

To achieve a 'Pass' for this assessment item you must:

- Receive 80% of the available points for the term, based on 8 points per supervised practical lab class
- Submit your completed form via the unit Moodle site by 3pm AEST on Friday 4th October, 2024.

### **Referencing Style**

- [Vancouver](#)

### **Submission**

Online

### **Learning Outcomes Assessed**

- Demonstrate patient care and professional behaviours in the simulated clinical environment

## 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