MEDI12006 *Imaging Procedures 2*
Term 2 - 2021

Profile information current as at 14/12/2025 05:58 pm

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 - 2021

- 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. **Practical Assessment**
Weighting: Pass/Fail
3. **Practical Assessment**
Weighting: Pass/Fail
4. **Online Test**
Weighting: 30%
5. **Online Test**
Weighting: 20%
6. **Online Test**
Weighting: 50%

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 liked the video lectures as it offered them greater time flexibility and they could refer back to the lectures as required.

Recommendation
Continue to deliver lectures as videos accessed on the unit Moodle site.

Feedback from Teaching staff reflection

Feedback
The unit's theory component was distributed across the full term due to the delayed placement. This impacted the timing of the online tests. With the return to the standard unit structure (Weeks 6 - 14 delivery) in 2021, the test dates will be closer together.

Recommendation
Review the assessment strategy relative to the unit delivery model.

Feedback from Instructor reflection

Feedback
The modified delivery for 2020 resulted in a small reduction in hours of lab class relative to previous terms. Students were encouraged to use the desktop VR system through the term to do virtual image-taking sessions to supplement the on-campus lab activity. The VR system provides an opportunity for students to demonstrate cause and effect that would otherwise require radiation use. Review of use statistics indicates this was underutilised.

Recommendation
Investigate the development of structured learning activities involving the VR system as the learning tool.

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, patent 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

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	7	8
1 - Practical Assessment - 0%	•	•						
2 - Practical Assessment - 0%	•	•						
3 - Practical Assessment - 0%		•						
4 - Online Test - 20%								•
5 - Online Test - 30%	•		•	•	•	•	•	
6 - Online Test - 50%			•	•	•	•	•	

Alignment of Graduate Attributes to Learning Outcomes

Graduate Attributes	Learning Outcomes							
	1	2	3	4	5	6	7	8
1 - Communication	•	•	•	•	•	•	•	•
2 - Problem Solving	•	•	•	•	•		•	
3 - Critical Thinking		•						
4 - Information Literacy	•							
5 - Team Work		•						
6 - Information Technology Competence	•							
7 - Cross Cultural Competence		•						•
8 - Ethical practice	•	•		•				•
9 - Social Innovation								
10 - Aboriginal and Torres Strait Islander Cultures								

Alignment of Assessment Tasks to Graduate Attributes

Assessment Tasks	Graduate Attributes									
	1	2	3	4	5	6	7	8	9	10
1 - Practical Assessment - 0%	•	•		•		•	•	•		
2 - Practical Assessment - 0%	•	•		•		•	•	•		
3 - Practical Assessment - 0%	•	•	•		•		•			
4 - Online Test - 20%	•						•	•		
5 - Online Test - 30%	•	•								
6 - Online Test - 50%	•	•						•		

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
MEDI12006

Prescribed

Bontrager's Handbook of Radiographic Positioning and Techniques
9th Edition (2018)
Authors: John Lampignano & Leslie E. Kendrick
Elsevier
St. Louis , Missouri , USA
ISBN: 9780323485258
Binding: Spiral
MEDI12006

Prescribed

Bontrager's Textbook of Radiographic Positioning and Related Anatomy
9th Edition (2018)
Authors: John Lampignano & Leslie E. Kendrick
Elsevier
St. Louis , Missouri , USA
ISBN: 9780323399661
Binding: Hardcover

Additional Textbook Information
The textbooks for MEDI12006 are the same textbooks previously used for MEDI12003.
If you have not previously purchased these prescribed texts, copies can be purchased at 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: Harvard (author-date)
For further information, see the Assessment Tasks.

Teaching Contacts

Lauren Macdonald Unit Coordinator
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Schedule

Week 6 - 23 Aug 2021

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 - 30 Aug 2021

Module/Topic	Chapter	Events and Submissions/Topic
Imaging of the Lumbar & Sacral 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 - 06 Sep 2021

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 - 13 Sep 2021

Module/Topic	Chapter	Events and Submissions/Topic
Imaging of the Facial Bones	Bontrager's Textbook of Radiographic Anatomy (10th ed.), Chapter 11 Bontrager's Handbook of Radiographic Positioning and Techniques (10th ed.), Chapter 8	Tutorial **Practical Assessment Spine** Due: Week 9 Monday (13 September 2021) & Tuesday (14 September 2021)

Week 10 - 20 Sep 2021

Module/Topic	Chapter	Events and Submissions/Topic
Introduction to Mammography	Bontrager's Textbook of Radiographic Anatomy (10th ed.), Chapter 20, Part 5	Tutorial **Online Test 1** Due: Week 10 Friday (24 Sept 2021) 11:15 am AEST

Week 11 - 27 Sep 2021

Module/Topic	Chapter	Events and Submissions/Topic
Introduction to Mobile and Theatre Radiography	Bontrager's Textbook of Radiographic Anatomy (10th ed.), Chapter 15 Bontrager's Handbook of Radiographic Positioning and Techniques (10th ed.), Chapter 10	Tutorial **Image Portfolio & Evaluation** Due: Week 11 Friday (1 October 2021) 5:00PM AEST

Week 12 - 04 Oct 2021

Module/Topic	Chapter	Events and Submissions/Topic
Introduction to Dental Radiography and Bone Densitometry	Bontrager's Textbook of Radiographic Anatomy (10th ed.), Chapter 11 p.436 & Chapter 20, Part 6	Tutorial

Review/Exam Week - 11 Oct 2021

Module/Topic	Chapter	Events and Submissions/Topic

		Summative Practical Assessment A Due: Review/ Exam Week Monday (11 October 2021) - Wednesday (13 October 2021) **Professional Behaviours Form** Due: Review/ Exam Week Monday (11 October 2021) 5:00PM AEST **Online Test 2** Due: Review/Exam Week Friday (15 Oct 2021) 11:00 am AEST
Exam Week - 18 Oct 2021		
Module/Topic	**Chapter**	**Events and Submissions/Topic**
		Summative Practical Assessment B Due: Exam Week Monday (18 October 2021) - Wednesday (20 October 2021) **Final Online Test** Due: Exam Week Friday (22 Oct 2021) 12:00 pm AEST

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 and labs from Week 6 onwards. Tutorials will not be recorded.

High fidelity clinical simulation is a core component of this unit. This simulation includes use of actual x-ray equipment with simulated patients in the Medical Imaging labs as well as computer-based immersive virtual reality (VR) simulation of radiographic positioning and imaging.

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 are timed between the first and second lab class each week. The pace of class lab activities has been set with this expectation of practice and corresponding skill development.

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: 3 hours
- Independent labs: 1 hour
- VR practice: 1 hour
- Tutorials: 1 hour
- 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 those two units to both learning activities and assessments in this unit.

Assessment Tasks

1 Practical Assessment - Spine

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.

This Practical Assessment 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 your summative practical assessments.

This practical assessment will evaluate your performance of 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 practical elements of the task. If the practical element of the examination is not completed within the allocated 15 minutes, the practical element will be stopped and you will be marked based on your performance up to that point.
- You must present for your individual practical assessment dressed as you would present to the clinical environment. Any student not adhering to the dress code may be excluded from the assessment.
- This assessment task will be recorded using a video camera to enable moderation.
- As this is a simulation of a clinical procedure, you must carry this out without referring to any guidance resources (e.g. notes, texts, electronic devices) – this is a closed book assessment.
- If you do not achieve the minimum score you will be given only one additional opportunity to perform this test. The re-attempt will be scheduled within one week of your initial attempt.

This is a pass/fail assessment item that must be completed by the specified due date. If you have extenuating circumstances that cause you to be unable to submit your assessment at the due 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 due date/time. It is your responsibility to be available at that assigned time. 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

At your timetabled practical session on Monday or Tuesday of Week 9 (13 - 14 September 2021)

Return Date to Students

Summary verbal feedback provided within 1 working day following the assessment. Detailed written feedback within two weeks of assessment.

Weighting
Pass/Fail

Minimum mark or grade
Pass

Assessment Criteria

Areas assessed:

- Interpretation and justification of the clinical request
- Preparation of the x-ray room and ancillary equipment
- Positive identification of patient and introduction
- Verification of anatomical area and relevant clinical history
- Determination of pregnancy status
- Gaining informed consent

- Projections performed effectively
- Projections performed in a timely manner
- Use of primary anatomical markers
- Safe use of equipment
- Appropriate debrief and dismiss of patient
- Infection control
- Communication skills
- Professionalism

Each main category has one or more tasks. Each task has a minimum score required for a pass. Some tasks are of a more critical nature than others, therefore require a higher level of performance.

Please note:

- Each performance criterion has a specified target score of 3, 4 or 5 out of 5.
- Specified critical criteria requires achieving a score of 5 out of 5, allowing for no errors or omissions.
- For the remaining non-critical criteria, to pass the assessment, you must achieve the minimum specified targeted score in all assessment criteria.
- Detailed performance and assessment criteria and a scoring rubric will be available on the unit Moodle site.

To achieve a Pass for this assessment, you must:

- attain a score of 5 for ALL critical criteria, and
- attain the minimum specified score in ALL non-critical criteria.

Referencing Style

- Harvard (author-date)

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

Graduate Attributes

- Communication
- Problem Solving
- Information Literacy
- Information Technology Competence
- Cross Cultural Competence
- Ethical practice

2 Summative Practical Assessment in General Radiography

Assessment Type
Practical Assessment

Task Description

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.

This summative assessment is in two parts. Assessment A measures your skill in performing radiographic examinations of body regions covered in this unit. Assessment B measures the currency of your skill in performing radiographic examinations of body regions covered in the prerequisite unit MEDI12003 Imaging Procedures 1.

Each Assessment A and B is an individual 15 minute practical assessment in the x-ray suite. You will perform two

simulated conventional radiography projections on one anatomical region using a peer as your patient.

This assessment will assess your patient care and communication, examination justification, patient positioning, imaging technique, safe practice and management of the radiographic process.

The following apply for each assessment:

- This is a timed examination. You will have 15 minutes to complete the practical elements of the task. If the practical element of the examination is not completed within the allocated 15 minutes, the practical element will be stopped and you will be marked based on your performance up to that point.
- You must present for your individual practical assessment dressed as you would present to the clinical environment. Any student not adhering to the dress code may be excluded from the assessment.
- This assessment task will be recorded using a video camera to enable moderation.
- As this is a simulation of a clinical procedure, you must carry this out without referring to any guidance resources (e.g. notes, texts, electronic devices) – this is a closed book assessment.
- If you do not achieve the minimum score you will be given only one additional opportunity to be re-assessed. The re-attempt will be scheduled within one week of your initial attempt.

This is a pass/fail assessment item that must be completed by the specified due date. If you have extenuating circumstances that cause you to be unable to submit your assessment at the due 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 due date/time. 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

Assessment A must be completed during your timetabled practical session on Monday - Wednesday of Review/Exam Week (Week 13). Assessment B must be completed during your timetabled practical session on Monday - Wednesday of Exam Week (Week 14).

Return Date to Students

Summary verbal feedback provided within 1 working day following the assessment. Written feedback within two weeks of assessment.

Weighting
Pass/Fail

Minimum mark or grade
Pass

Assessment Criteria

Areas assessed:

- Interpretation and justification of the clinical request
- Preparation of the x-ray room and ancillary equipment
- Positive identification of patient and introduction
- Verification of anatomical area and relevant clinical history
- Determination of pregnancy status
- Gaining informed consent
- Projections performed effectively
- Projections performed in a timely manner
- Use of primary anatomical markers
- Safe use of equipment
- Appropriate debrief and dismiss of patient
- Infection control
- Communication skills
- Professionalism

Each main category has one or more tasks. Each task has a minimum score required for a pass. Some tasks are of a more critical nature than others, therefore require a higher level of performance.

The following apply to each of Assessment A and B:

- Each performance criterion has a specified target score of 4 or 5 out of 5.
- Specified critical criteria requires achieving a score of 5 out of 5, allowing for no errors or omissions.
- For the remaining non-critical criteria, to pass the assessment, you must achieve the minimum specified targeted score in all assessment criteria

To achieve a Pass for this assessment, you must:

- attain a score of 5 for ALL critical criteria, and
- attain the minimum specified score in ALL non-critical criteria.
- **you must achieve a pass score in BOTH of Assessments A and B.**

Referencing Style

- Harvard (author-date)

Submission
Offline

Submission Instructions
Practical Assessments 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

Graduate Attributes

- Communication
- Problem Solving
- Information Literacy
- Information Technology Competence
- Cross Cultural Competence
- Ethical practice

3 Professional Behaviours & Image Portfolio and Evaluation

Assessment Type
Practical Assessment

Task Description

The purpose of this assessment is to prepare you for the clinical environment and the professional responsibilities required of a radiographer, including accurate image evaluation.

This assessment consists of two parts to complete and upload:

- Image Portfolio & Evaluation
- Professional Behaviours

Image Portfolio and Evaluation

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 technical sufficiency. This portfolio documents your hands-on developmental experience in radiographic technique and in your image assessment skill.

In Weeks 6-9, using the Skilitics Virtual Reality (VR) system, you must produce two (2) images from these anatomical regions:

- Cervical Spine
- Thoracic Spine

- Lumbar Spine
- Facial Bones

You must use your own unique Skilitics Virtual Reality login to produce these images. Your image portfolio and evaluations must be your own work. Any identified cases of potential collusion will result in a breach of academic integrity case being raised.

You must evaluate these images using the proforma provided on the Moodle site. The images and evaluations must be submitted via the Moodle site by the end of term. In total you must produce eight (8) images and associated image evaluations. The format of the submission will be posted on the unit Moodle site.

Professional Behaviours

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 is available on the unit Moodle site. You must bring it with you to each of your scheduled supervised practical lab classes. 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.

Once completed this form must be uploaded via the unit Moodle site for review by the unit coordinator.

Please ensure you check due dates and times for all submissions, and that paperwork is completed correctly and accurately. Failure to do so will result in a fail mark for that assessment item.

This is a pass/fail assessment item that must be completed by the specified due date. If you have extenuating circumstances that cause you to be unable to submit your assessment at the due 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 due date/time.

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

Image Portfolio & Evaluation Due: Week 11 Friday (1 October 2021) 5:00PM AEST Professional Behaviours Form Due: Review/ Exam Week Monday (11 October 2021) 5:00PM AEST

Return Date to Students

Feedback provided within 2 weeks of each assessment.

Weighting
Pass/Fail

Minimum mark or grade
Pass

Assessment Criteria

Image Portfolio & Evaluation

Once submitted, two image evaluation proformas will be chosen randomly for assessment. You will not be informed in advance which examinations will be assessed.

This portfolio is assessed on the following aspects:

- Completeness relative to the requirements stated in the Task Description regarding the number and type of images and their evaluations
- Correctness and completeness of image evaluations. Two (2) of your submitted image evaluation proformas will be selected at random for detailed scoring. Each scored image evaluation requires 24 information items, each of which is worth 1 mark, for a total of 48 possible marks for the two evaluations.

To attain a clear pass in this assessment task, your portfolio must:

- Be complete in content
- Score a minimum of 38 out of 48 on the two scored image evaluation proformas.

If your initial submission is complete but your evaluation score is between 24 – 37, you will be afforded one further opportunity to achieve a pass grade for this assignment. You will then be required to produce two additional images (of projections not already submitted) and their evaluations. You must score at least 38/48 on this second submission. If your initial submission is not complete in content and/or your image evaluation score is below 24/48, you will not be allowed any further submission and your score on this assessment task will be a Fail.

Professional Behaviours

Assessed upon:

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

Detailed assessment criteria and a marking rubric 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 attain a 'Pass' for this assessment, you must:

- Receive 80% of available points for the professional behaviours evaluation
- Complete and upload the professional behaviours evaluation form by the due date.

Referencing Style

- Harvard (author-date)

Submission
Online

Submission Instructions
Via the unit Moodle site.

Learning Outcomes Assessed

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

Graduate Attributes

- Communication
- Problem Solving
- Critical Thinking
- Team Work
- Cross Cultural Competence

4 Online Test 1

Assessment Type
Online Test

Task Description

You will write an online Moodle test to demonstrate your ability to apply the concepts and use the terminology from Weeks 6-9 of the unit. All questions will be based on the posted weekly learning goals for those weeks. Question tasks will be of the same types that you will practice in tutorials. These question tasks may include analysis of diagrams, explanations of concepts, application of concepts to specific scenarios, definitions and discussions.

The weekly tutorials will provide you practice in analysing questions, formulating responses and assessing the quality of your responses.

This online test includes the use of images in the form of photographs, radiographic images, and line drawings. The images may be in the form of photographs, radiographic images, line drawings and referrals. 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, 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 of the following examination categories:

- Cervical spine
- Thoracic spine
- Lumbar spine
- Skull and Facial Bones

This test is of 75 minutes duration. This time factors in perusal, planning time and writing time. The time allowed will provide adequate time to plan and type your answers, plus any potential lag of internet services. The stated due date/time listed below is when the test availability will close in Moodle, so plan to start your test 75 minutes before that time.

To complete the test, ensure that you have arranged to use a computer in good working order with adequate power/charged battery and a reliable internet connection.

This is an open book test. It means that during the test you may access your study notes, textbook, the unit Moodle site and/or any website. You may use that content in formulating your responses. Because this is an open-book test we are not assessing your recall of facts. The weekly learning goals tell you the specific ways that you are expected to integrate and apply concepts from the weekly content. We have practiced many of these learning goal tasks in the weekly tutorials.

Your test responses must be your own work. The rules of academic integrity still apply. You cannot seek assistance or make use of assistance from another person during this test. You may not communicate with any other person during the test (whether verbally, electronically or in writing) for any purpose relating to the test questions or your responses.

You may not share the test content with any other person for any reason. 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.

This test must be written at the timetabled date and time. There is no provision for a late submission and no late penalty can be applied. 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 the scheduled 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. 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
Week 10 Friday (24 Sept 2021) 11:15 am AEST

Return Date to Students

Within two weeks of assessment.

Weighting
30%

Assessment Criteria

Question responses will be scored on the following criteria

- Correct use of scientific terminology
- Correct selection and application of core concepts to the specific content of the question
- Clarity, correctness, relevance and completeness of the response in addressing the question that was asked.

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

Referencing Style

- Harvard (author-date)

Submission
Online

Submission Instructions
Via the unit Moodle site.

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
- 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, patent 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

Graduate Attributes

- Communication
- Problem Solving

5 Online Test 2

Assessment Type
Online Test

Task Description

You will write an online Moodle test to demonstrate your ability to apply the concepts and use the terminology from Weeks 10-12 of the unit. All questions will be based on the posted weekly learning goals for those weeks. Question tasks will be of the same types that you will practice in tutorials. These question tasks may include analysis of diagrams, explanations of concepts, application of concepts to specific scenarios, definitions and discussions. The weekly tutorials will provide you practice in analysing questions, formulating responses and assessing the quality of your responses.

You may be required to answer questions relating to the theory of:

- Mammography & Breast U/S imaging
- Dental Imaging
- Bone Densitometry
- Mobiles & Theatre Imaging

This test is of 60 minutes duration. This time factors in perusal, planning time and writing time. The time allowed will provide adequate time to plan and type your answers, plus any potential lag of internet services. The stated due date/time listed below is when the test availability will close in Moodle, so plan to start your test 60 minutes before that time.

To complete the test, ensure that you have arranged to use a computer in good working order with adequate power/charged battery and a reliable internet connection.

This is an open book test. It means that during the test you may access your study notes, textbook, the unit Moodle site and/or any website. You may use that content in formulating your responses. Because this is an open-book test we are not assessing your recall of facts. The weekly learning goals tell you the specific ways that you are expected to integrate and apply concepts from the weekly content. We have practiced many of these learning goal tasks in the weekly tutorials.

Your test responses must be your own work. The rules of academic integrity still apply. You cannot seek assistance or make use of assistance from another person during this test. You may not communicate with any other person during the test (whether verbally, electronically or in writing) for any purpose relating to the test questions or your responses.

You may not share the test content with any other person for any reason. 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.

This test must be written at the timetabled date and time. There is no provision for a late submission and no late penalty can be applied. 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 the scheduled 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. 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 Friday (15 Oct 2021) 11:00 am AEST

Return Date to Students

Certification of Grades

Weighting
20%

Minimum mark or grade
50%

Assessment Criteria

Question responses will be scored on the following criteria

- Correct use of scientific terminology
- Correct selection and application of core concepts to the specific content of the question
- Clarity, correctness, relevance and completeness of the response in addressing the question that was asked.

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

Referencing Style

- Harvard (author-date)

Submission
Online

Submission Instructions
Via the unit Moodle site.

Learning Outcomes Assessed

- 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.

Graduate Attributes

- Communication
- Cross Cultural Competence
- Ethical practice

6 Final Online Test

Assessment Type
Online Test

Task Description

You will write an online Moodle test to demonstrate your ability to apply the concepts and use the

terminology from Imaging Procedures 1 and 2. Question tasks will be of the same types that you will practice in tutorials. These question tasks may include analysis of diagrams, explanations of concepts, application of concepts to specific scenarios, definitions and discussions. The weekly tutorials will provide you practice in analysing questions, formulating responses and assessing the quality of your responses.

This online test includes the use of images in the form of photographs, radiographic images, and line drawings. The images may be in the form of photographs, radiographic images, line drawings and referrals. 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, 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 is of 120 minutes duration. This time factors in perusal, planning time and writing time. The time allowed will provide adequate time to plan and type your answers, plus any potential lag of internet services. The stated due date/time listed below is when the test availability will close in Moodle, so plan to start your test 120 minutes before that time.

To complete the test, ensure that you have arranged to use a computer in good working order with adequate power/charged battery and a reliable internet connection.

This is an open book test. It means that during the test you may access your study notes, textbook, the unit Moodle site and/or any website. You may use that content in formulating your responses. Because this is an open-book test we are not assessing your recall of facts. The weekly learning goals tell you the specific ways that you are expected to integrate and apply concepts from the weekly content. We have practiced many of these learning goal tasks in the weekly tutorials.

Your test responses must be your own work. The rules of academic integrity still apply. You cannot seek assistance or make use of assistance from another person during this test. You may not communicate with any other person during the test (whether verbally, electronically or in writing) for any purpose relating to the test questions or your responses.

You may not share the test content with any other person for any reason. 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.

This test must be written at the timetabled date and time. There is no provision for a late submission and no late penalty can be applied. 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 the scheduled 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. 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
Exam Week Friday (22 Oct 2021) 12:00 pm AEST

Return Date to Students

Certification of Grades

Weighting
50%

Minimum mark or grade
50%

Assessment Criteria

Question responses will be scored on the following criteria

- Correct use of scientific terminology
- Correct selection and application of core concepts to the specific content of the question
- Clarity, correctness, relevance and completeness of the response in addressing the question that was asked.

The number of marks for each question are allocated based on the depth and breadth of the required response, and will

be indicated on the test paper.

Referencing Style

- Harvard (author-date)

Submission
Online

Submission Instructions
Via the unit Moodle site.

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, patent 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

Graduate Attributes

- Communication
- Problem Solving
- Ethical practice

Academic Integrity Statement

As a CQUniversity student you are expected to act honestly in all aspects of your academic work.

Any assessable work undertaken or submitted for review or assessment must be your own work. Assessable work is any type of work you do to meet the assessment requirements in the unit, including draft work submitted for review and feedback and final work to be assessed.

When you use the ideas, words or data of others in your assessment, you must thoroughly and clearly acknowledge the source of this information by using the correct referencing style for your unit. Using others' work without proper acknowledgement may be considered a form of intellectual dishonesty.

Participating honestly, respectfully, responsibly, and fairly in your university study ensures the CQUniversity qualification you earn will be valued as a true indication of your individual academic achievement and will continue to receive the respect and recognition it deserves.

As a student, you are responsible for reading and following CQUniversity's policies, including the **Student Academic Integrity Policy and Procedure**. This policy sets out CQUniversity's expectations of you to act with integrity, examples of academic integrity breaches to avoid, the processes used to address alleged breaches of academic integrity, and potential penalties.

What is a breach of academic integrity?
A breach of academic integrity includes but is not limited to plagiarism, self-plagiarism, collusion, cheating, contract cheating, and academic misconduct. The Student Academic Integrity Policy and Procedure defines what these terms mean and gives examples.

Why is academic integrity important?
A breach of academic integrity may result in one or more penalties, including suspension or even expulsion from the University. It can also have negative implications for student visas and future enrolment at CQUniversity or elsewhere. Students who engage in contract cheating also risk being blackmailed by contract cheating services.

Where can I get assistance?
For academic advice and guidance, the Academic Learning Centre (ALC) can support you in becoming confident in completing assessments with integrity and of high standard.

What can you do to act with integrity?

Be Honest
If your assessment task is done by someone else, it would be dishonest of you to claim it as your own

Seek Help
If you are not sure about how to cite or reference in essays, reports etc, then seek help from your lecturer, the library or the Academic Learning Centre (ALC)

Produce Original Work
Originality comes from your ability to read widely, think critically, and apply your gained knowledge to address a question or problem