MEDI12006 *Imaging Procedures 2*
Term 2 - 2023

Profile information current as at 12/10/2024 05:33 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 - 2023

- 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 SUTE unit comments

Feedback

Some students asked if the number of assessment tasks could be reduced in future offerings the unit.

Recommendation

Review the number of assessment tasks in future offerings.

Feedback from Unit Coordinator/ Team reflection

Feedback

The Image Portfolio and Evaluation assessment task grading strategy does not discriminate students' varying abilities to evaluate images for technical sufficiency.

Recommendation

Investigate different grading assessment strategy for Image Portfolio and Evaluation assessment task.

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

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 - Online Quiz(zes) - 30%			•	•	•	•	•	
3 - Portfolio - 30%	•		•	•				
4 - In-class Test(s) - 40%			•	•	•	•	•	•
5 - Practical Assessment - 0%	•	•						
6 - Practical Assessment - 0%	•	•						
7 - Laboratory/Practical - 0%		•						

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								

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
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
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Sarah Wooldridge Unit Coordinator
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Schedule

Week 1 - 10 Jul 2023

Module/Topic	Chapter	Events and Submissions/Topic

Week 2 - 17 Jul 2023

Module/Topic	Chapter	Events and Submissions/Topic

Week 3 - 24 Jul 2023

Module/Topic	Chapter	Events and Submissions/Topic

Week 4 - 31 Jul 2023

Module/Topic	Chapter	Events and Submissions/Topic

Week 5 - 07 Aug 2023

Module/Topic	Chapter	Events and Submissions/Topic

Vacation Week - 14 Aug 2023

Module/Topic	Chapter	Events and Submissions/Topic

Week 6 - 21 Aug 2023

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 - 28 Aug 2023

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 - 04 Sep 2023

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 - 11 Sep 2023

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 **Practical Assessment 1** Due: Week 9 Monday or Tuesday (11 - 12 Sept 2023) **Re-tests for Practical Assessment 1 Due:** Thursday 14th Sept 2023

Week 10 - 18 Sep 2023

Module/Topic	Chapter	Events and Submissions/Topic

Introduction to Mammography	Bontrager's Textbook of Radiographic Anatomy (10th ed.), Chapter 20, Part 5	Tutorial **Online Quiz** Due: Week 10 Monday (18 Sept 2023) 12:30 pm AEST

Week 11 - 25 Sep 2023

Module/Topic	Chapter	Events and Submissions/Topic
Introduction to Mobile & 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 Evaluation Portfolio** Due: Week 11 Monday (25 Sept 2023) 4:00 pm AEST

Week 12 - 02 Oct 2023

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 **Professional Behaviours** Due: Week 12 Friday (6 Oct 2023) 4:00 pm AEST

Review/Exam Week - 09 Oct 2023

Module/Topic	Chapter	Events and Submissions/Topic
		Practical Assessment 2 Due: Review/ Exam Week Tuesday or Wednesday (10 -11 Oct 2023) **Re-tests for Practical Assessment 2 Due:** Thursday 12th October 2023 **In-Class Test** Due: Review/Exam Week Monday (9 Oct 2023) 5:00 pm AEST

Exam Week - 16 Oct 2023

Module/Topic	Chapter	Events and Submissions/Topic
		Practical Assessment 3 Due: Exam Week Tuesday or Wednesday (17 - 18 Oct 2023) **Re-tests for Practical Assessment 3 Due:** Thursday 19th October 2023

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 Thursday of Week 14. 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. 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.

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 hours
- Independent labs: 1 hour
- VR practice: 1 hour
- Tutorials: 1.5 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 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 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 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.
- Your performance 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 you do not achieve the minimum requirements on your first attempt, you will be given one re-attempt. The re-test will be scheduled on Thursday 14th September, 2023.

This is a pass/fail assessment item that must be completed during your timetabled practical session on a specified due date. If you have extenuating circumstances that cause you to be unable to perform the assessment at the due date and time, you must apply for an assessment extension. See Section 5 of the CQ University 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 perform this assessment 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 (11 - 12 September 2023)

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, by your second 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)

Referencing Style

- Vancouver

Submission
Offline

Submission Instructions
Practical Assessment in the X-Ray Laboratory

assessmentOutcome

- 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

assessmentGradAttribute

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 18th September, 2023. 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. Note that if you start the test less than 15 minutes prior to the stated closing date/time, the test will close at that stated time and you will have less than 15 minutes to complete the test.

You must undertake the test as an individual and not with classmates or others. As with all other University assessments, colluding with other students on a non-group work task is considered academic misconduct and will be dealt with in accordance with the Student Academic Integrity Policy. If you answer the questions using any information resource other than unit lectures or the prescribed texts, you must cite your sources using the Vancouver referencing system. Failure to cite sources constitutes a breach of academic integrity and will be dealt with in accordance of the relevant policy. The test is open book, but be mindful of the time-limited nature of the test.

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 (18 Sept 2023) 12:30 pm AEST

Return Date to Students
Week 12 Monday (2 Oct 2023)

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

assessmentOutcome

- 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

assessmentGradAttribute

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 technical sufficiency.

You will use the Skilitics Virtual Radiography system to perform simulations of radiographic examinations. This includes positioning the x-ray tube, patient and image receptor, selecting the technical parameters and capturing the radiographs. You will then evaluate the technical sufficiency of images that you have acquired, documenting your evaluation using the supplied proforma. The proforma requires that you provide 27 information items in your image evaluation. 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.

In Weeks 6-9, using the Skilitics Virtual Radiography system, you must acquire and evaluate two (2) images from these anatomical regions:

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

You will acquire and evaluate eight (8) images in total. You will compile your evaluated images and their documented evaluations into a portfolio. The required structure of your portfolio document will be detailed on the Moodle site.

Note that the radiographs themselves are not being scored. Whether or not the radiograph that you produce would meet all acceptance criteria is not being assessed here. It is your evaluation of your images that is being assessed. You are demonstrating that you know how each radiograph ought to appear, that you are able to determine whether or not your image matches the expected appearances and that if it does not, you would know how to correct that. Your responses on your proforma will need to address the image that you have acquired and thus will not necessarily be the same as those of your classmates.

You must use your own Skilitics Virtual Radiography login to produces these images. 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 (25 Sept 2023) 4:00 pm AEST

Return Date to Students
Review/Exam Week Monday (9 Oct 2023)

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

assessmentOutcome

- 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

assessmentGradAttribute

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 the University's Assessment Policy and Procedure for details regarding Assessment Management, specifically around assessment extension.

Assessment Due Date
Review/Exam Week Monday (9 Oct 2023) 5:00 pm AEST

Return Date to Students
Exam Week Friday (20 Oct 2023)

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

assessmentOutcome

- 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.

assessmentGradAttribute

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. This assessment is to be completed during your timetabled assessment session during Tuesday or Wednesday of Week 13 (10th-11th October, 2023).

Using a peer as your patient, you will be required to perform one simulated x-ray examination consisting of two projections that have been covered in the material for this term. This assessment will be comprehensive, including patient care, 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. The assessment will be stopped after that time and any tasks not yet done will be scored as not attempted.
- You must present for your individual practical assessment wearing your 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 you do not achieve the minimum requirements on your first attempt, you will be given one re-attempt. The re-test will be scheduled on Thursday 12th October, 2023.

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 (10th or 11th October, 2023)

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, by your second 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)

Referencing Style

- Vancouver

Submission
Offline

Submission Instructions
Practical Assessment in the X-Ray Laboratory

assessmentOutcome

- 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

assessmentGradAttribute

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 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.

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.
- Your performance 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 you do not achieve the minimum requirements on your first attempt, you will be given one re-attempt. The re-test will be scheduled on on Thursday 19th October, 2023

This is a pass/fail assessment item that must be completed during your timetabled practical session on a specified due date. If you have extenuating circumstances that cause you to be unable to perform the assessment at the due date and time, you must apply for an assessment extension. See Section 5 of the CQ University 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 perform this assessment 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 Tuesday or Wednesday of Exam Week (17 - 18 October 2023)

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, by your second attempt you must:

- Complete all 13critical 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)

Referencing Style

- Vancouver

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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 (6 Oct 2023) 4:00 pm AEST

Return Date to Students
Exam Week Friday (20 Oct 2023)

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 4pm AEST on Friday 13th October, 2023.

Referencing Style

- Vancouver

Submission
Online

assessmentOutcome

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

assessmentGradAttribute

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