



MEDI13006 *Imaging Procedures 4*

Term 2 - 2024

Profile information current as at 02/07/2025 11:22 am

All details in this unit profile for MEDI13006 have been officially approved by CQUniversity and represent a learning partnership between the University and you (our student). The information will not be changed unless absolutely necessary and any change will be clearly indicated by an approved correction included in the profile.

General Information

Overview

This is the fourth and final Imaging Procedures unit in the course. There are two main areas of focus for the unit - adaptation radiography and fluoroscopic procedures. You will build on your knowledge and skills from prior theory units and clinical placements and further develop your problem-solving skills in the planning and execution of imaging procedures on complex patients and in complex environments such as theatre, casualty and wards. A range of fluoroscopic procedures will be discussed with respect to goals, technique, environments and the radiographer's role. You will examine the critical contribution of interpersonal skills such as effective communication and teamwork to the radiographer's ability to perform effectively and efficiently in these procedure areas.

Details

Career Level: *Undergraduate*

Unit Level: *Level 3*

Credit Points: 6

Student Contribution Band: 8

Fraction of Full-Time Student Load: 0.125

Pre-requisites or Co-requisites

Prerequisites: MEDI13001 Science and Instrumentation 3MEDI13002 Imaging Procedures 3MEDI13004 Medical Imaging Clinical Placement 2

Important note: Students enrolled in a subsequent unit who failed their pre-requisite unit, should drop the subsequent unit before the census date or within 10 working days of Fail grade notification. Students who do not drop the unit in this timeframe cannot later drop the unit without academic and financial liability. See details in the [Assessment Policy and Procedure \(Higher Education Coursework\)](#).

Offerings For Term 2 - 2024

- Mackay

Attendance Requirements

All on-campus students are expected to attend scheduled classes - in some units, these classes are identified as a mandatory (pass/fail) component and attendance is compulsory. International students, on a student visa, must maintain a full time study load and meet both attendance and academic progress requirements in each study period (satisfactory attendance for International students is defined as maintaining at least an 80% attendance record).

Website

[This unit has a website, within the Moodle system, which is available two weeks before the start of term. It is important that you visit your Moodle site throughout the term. Please visit Moodle for more information.](#)

Class and Assessment Overview

Recommended Student Time Commitment

Each 6-credit Undergraduate unit at CQUniversity requires an overall time commitment of an average of 12.5 hours of study per week, making a total of 150 hours for the unit.

Class Timetable

[Regional Campuses](#)

Bundaberg, Cairns, Emerald, Gladstone, Mackay, Rockhampton, Townsville

[Metropolitan Campuses](#)

Adelaide, Brisbane, Melbourne, Perth, Sydney

Assessment Overview

1. **Practical Assessment**

Weighting: Pass/Fail

2. **Practical Assessment**

Weighting: Pass/Fail

3. **Practical Assessment**

Weighting: Pass/Fail

4. **Laboratory/Practical**

Weighting: Pass/Fail

5. **Written Assessment**

Weighting: 40%

6. **Online Test**

Weighting: 60%

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 Unit coordinator reflection.

Feedback

The availability of timetabled independent practice following the tutored lab activity was well received by the students.

Recommendation

Maintain the timetabling of the independent practice lab following the tutored lab activity to support student learning.

Feedback from Student evaluation feedback and Unit Coordinator reflection.

Feedback

Some students requested more defined instruction for lab activities.

Recommendation

Investigate the possibility of including additional instructions to the lab activity document in future iterations of the unit.

Unit Learning Outcomes

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

1. Analyse the technical and psychosocial aspects of imaging procedures within complex circumstances
2. Formulate strategies for the efficient and effective performance of adaptation radiography in complex circumstances relative to best practices
3. Perform mobile and complex radiographic imaging procedures in a simulated clinical environment
4. Discuss commonly performed diagnostic and interventional fluoroscopic procedures
5. Interpret radiographic appearances for complex radiographic and fluoroscopic procedures
6. Demonstrate currency of theoretical and practical knowledge of routine and adaptation projections for all general radiography examinations, including clinical indications, image acquisition technique and radiographic appearances of normal anatomy and pathological changes
7. Demonstrate patient care and professional behaviours in the simulated clinical environment in a range of contexts.
8. Provide culturally safe care that addresses the unique needs of the patient, including those of First Nations Peoples and of the individual across the lifespan, in the Australian healthcare setting.

This unit maps to the following components of the Medical Radiation Practice Board of Australia's Professional Capabilities for Medical Radiation Practice (2020 version):

- 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: capability 1
- 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



Alignment of Assessment Tasks to Learning Outcomes

| Assessment Tasks | Learning Outcomes | | | | | | | |
|--------------------------------------|-------------------|---|---|---|---|---|---|---|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 1 - Written Assessment - 40% | • | • | | • | | | | |
| 2 - Online Test - 60% | • | | | • | • | • | | • |
| 3 - Practical Assessment - 0% | | • | • | | | | • | |
| 4 - Practical Assessment - 0% | • | • | • | | | | • | |
| 5 - Practical Assessment - 0% | | • | • | | | • | • | • |
| 6 - 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

MEDI13006

Prescribed

Bontrager's Handbook of Radiographic Positioning and Techniques 10th Edition (2021)

Edition: 10th edn (2021)

Authors: John Lampignano & Leslie E. Kendrick

Elsevier

St Louis , Missouri , USA

ISBN: 9780323694223

Binding: Spiral

MEDI13006

Prescribed

Bontrager's Textbook of Radiographic Positioning and Related Anatomy 10th Edition (2021)

Edition: 10th edn (2021)

Authors: John Lampignano & Leslie E. Kendric

Elsevier

St Louis , Missouri , USA

ISBN: 9780323653671

Binding: Hardcover

MEDI13006

Supplementary

Aboriginal and Torres Strait Islander Peoples' Health and Wellbeing EBook (2019)

Authors: Biles & Biles

Oxford University Press Australia & New Zealand

Australia

ISBN: 9780190311452

Binding: eBook

MEDI13006

Supplementary

Accident and Emergency Radiology: A Survival Guide

3rd Edition (2015)

Authors: Raby, Berman, De Lacey

Elsevier

Philadelphia , USA

ISBN: 9780702042324

Binding: Paperback

MEDI13006

Supplementary

Culture, Diversity and Health in Australia: Towards Culturally Safe Health Care (2021)

Authors: Dune, McLeod & Williams

Taylor & Francis Group

Australia

ISBN: 9781000347135

Binding: eBook

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

Lynelle Fallon Unit Coordinator
l.m.fallon@cqu.edu.au

Schedule

Week 1 - 08 Jul 2024

| Module/Topic | Chapter | Events and Submissions/Topic |
|---|--|------------------------------------|
| <ul style="list-style-type: none">- Inter-professional Collaboration & Teamwork PART A & PART B- Cultural Competence- Adaptive Techniques | Bontrager Textbook, Chapters 1, 2, 4-9 & 15 | |
| | Bontrager Handbook, Chapters 2-6, 10 | |
| | Accident & Emergency Radiology, Chapters 6, 14 & 15 | |
| | Culture, Diversity and Health in Australia: Towards Culturally Safe Health Care e-book, Chapters 1, 6, 7, 9, 10 & 13 | On-campus Tutorial - Monday |
| | Aboriginal and Torres Strait Islander Peoples' Health and Wellbeing e-book, Chapters 1-3 | Radiographic labs Tuesday - Friday |
| | See unit Moodle site for additional resources, links and pages for reading | |

Week 2 - 15 Jul 2024

| Module/Topic | Chapter | Events and Submissions/Topic |
|---|--|------------------------------------|
| <ul style="list-style-type: none">- Mobile Radiography & Image Evaluation- Poly-trauma & Emergency Imaging | Bontrager Textbook, Chapters 2, 5, 7, 8, 15 | |
| | Bontrager Handbook, Chapters 3, 5, 6, 8, 10 | On-campus Tutorial - Monday |
| | Accident & Emergency Radiology, Chapters 11, 13-14, 18-19 | Radiographic labs Tuesday - Friday |
| | See unit Moodle site for additional resources, links and pages for reading | |

Week 3 - 22 Jul 2024

| Module/Topic | Chapter | Events and Submissions/Topic |
|--|--|------------------------------------|
| <ul style="list-style-type: none">- Neonatal & Paediatric Imaging, Bariatric Imaging- Imaging of the Elderly, Mental Health & Imaging | Bontrager Textbook, Chapters 2-9, 11, 14, 16 | |
| | Bontrager Handbook, Chapters 1-2, 4-5, 9 | On-campus Tutorial - Monday |
| | Accident & Emergency Radiology, Chapters 2-3, 7, 15 & 21 | Radiographic labs Tuesday - Friday |
| | See unit Moodle site for additional resources, links and pages for reading | |

Week 4 - 29 Jul 2024

| Module/Topic | Chapter | Events and Submissions/Topic |
|--|--|--|
| - Fluoroscopy & Interventional Imaging | Bontrager Textbook, Chapters 1, 3, 12, 14-15, 17, 19 Bontrager Handbook, Chapters 9, 10 | On-campus Tutorial - Monday Radiographic labs Tuesday - Wednesday |
| - Theatre Imaging | See unit Moodle site for additional resources, links and pages for reading | General X-ray Practical Assessment Due: Week 4 Thursday & Friday (1 & 2 Aug 2024) |

Week 5 - 05 Aug 2024

| Module/Topic | Chapter | Events and Submissions/Topic |
|--------------|---------|--|
| | | On-campus Tutorial - Monday Radiographic lab on Tuesday |
| | | Complex Scenario Practical Assessment Due: Week 5 Wednesday & Thursday (7 & 8 Aug 2024) |
| | | Mobile Practical Assessment Due: Week 5 Wednesday & Thursday (7 & 8 Aug 2024) |
| | | Re-tests for all Practical Assessments Due: Week 5 Friday (9 Aug 2024) |
| | | Professional Behaviours Assessment Due: Week 5 Friday (9 Aug 2024) 4:00 pm AEST |

Vacation Week - 12 Aug 2024

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

Week 6 - 19 Aug 2024

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

Week 7 - 26 Aug 2024

| Module/Topic | Chapter | Events and Submissions/Topic |
|--------------|---------|---|
| | | Written Assessment Due: Week 7 Sunday (1 Sept 2024) 11.00pm AEST |

Week 8 - 02 Sep 2024

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

Week 9 - 09 Sep 2024

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

Week 10 - 16 Sep 2024

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

Week 11 - 23 Sep 2024

| Module/Topic | Chapter | Events and Submissions/Topic |
|--------------|---------|---|
| | | Online Test Due: Week 11 Tuesday (24 Sept 2024) 9:00 pm AEST |

Week 12 - 30 Sep 2024

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

Review/Exam Week - 07 Oct 2024

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

Exam Week - 14 Oct 2024

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

Term Specific Information

This is a condensed unit running at Mackay Ooralea campus from Week 1 until Week 5. The practical assessments for this unit are timetabled for Weeks 4 & 5. Be prepared to remain on campus up to and including Friday of Week 5. Your Written Assessment is due in Week 7 and the Online Test in Week 11, but these can be completed and submitted via distance.

Even though this unit is condensed in length, note that the requirement of 150 hours of student engagement with the unit still holds. For the weeks on campus, you are expected to complete pre-readings (2 hrs/wk), view all lectures (4 hrs/wk), attend supervised labs (4.15 hrs/wk), independent labs (1.5 hrs/wk) and tutorials (2 hrs/wk). You should also plan to apply an equal amount of time per week to your personal studies (skills practice and assessment preparation) as you do completing the on-campus learning activities. This allows an additional 30 hrs for preparation and completion of the written assignment and online test.

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 assessment tasks for this unit. You are expected to practice your positioning techniques during the timetabled practice sessions. The pace of the class lab activities has been set with the expectation of practice and corresponding skill development.

This unit helps you to develop the knowledge, skills and behaviours to deliver safe and high quality care in compliance with the Australian Government's National Safety and Quality Health Service (NHQHS) Standards, specifically:

- Clinical Governance (regarding actions related to the role of leaders and others in safety and quality, Aboriginal and Torres Strait Islander health and e-health)
- Partnering with Consumers (regarding actions related to treating patients with dignity and respect, sharing information with them, encouraging participation and collaboration in healthcare processes)
- Preventing and Controlling Infections (regarding actions related to the use of infection control systems and processes to reduce the risk to patient and workforce)
- Comprehensive Care (regarding actions related to the coordinated delivery of health care and the identification and management of risks to the patient)
- Communicating for Safety (regarding actions related to effective communication with the patient and other health practitioners to support the delivery of continuous and safe care for patients, including correct identification and procedure matching, effective handover and effective communication and documentation of critical information)
- Recognising and Responding to Acute Deterioration (regarding actions related to the monitoring of patients, detection of changes, recognition of indicators of deterioration, response to deteriorations in provision of care and communication to other health practitioners)

Assessment Tasks

1 General X-ray Practical Assessment

Assessment Type

Practical Assessment

Task Description

In the clinical environment, radiographers must be capable of adapting general x-ray techniques to image ambulant patients with complex clinical presentations.

This practical assessment is a 15 minute individual assessment in the Imaging Labs.

*You will be required to perform one simulated x-ray examination (including **three (3) views/projections**) that have*

been covered in the unit material of Imaging Procedures 1, Imaging Procedures 2 and Imaging Procedures 4.

You will be presented with a referral for a general x-ray examination that requires some adaptation due to a complex clinical presentation. Adaptations may include mobility/movement limitations as well as sensory and/or cultural considerations.

You must analyse the referral to safely, effectively and efficiently complete the examination using another student as your patient. You are required to demonstrate high level of culturally safe, adaptive patient care, imaging technique and communication skills.

Please note:

- This is a timed examination. You will have 15 minutes to complete the assessment. Any part of the assessment not completed within the allocated 15 minutes will be scored as not attempted.
- You must present for your 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 video cameras to enable moderation.
- As this is a simulation of a clinical procedure, you must carry out this assessment without referring to any guidance resources (eg. notes, texts, electronic devices) - this is a closed book assessment.
- You must achieve the minimum required score for the assessment. If you have demonstrated a reasonable attempt to complete the assessment on the initial attempt but do not achieve the score required for a pass, you will be given one additional opportunity to perform the assessment and meet the minimum required scores for a pass, timetabled for the Friday of Week 5.

This assessment task must be completed by the specified due date. If you have extenuating circumstances that cause you to be unable to attend your practical assessment 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 assessment 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, which would result in a Fail grade for the unit.

Assessment Due Date

Assessment will be held during the timetabled practical assessment lab sessions on Thursday and Friday of Week 4

Return Date to Students

Detailed feedback within one week 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 standards of performance 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, in a single attempt you must:

- Complete all critical tasks with no errors or omissions (scored 5/5)
- Attempt all non-critical tasks and of those:
 - Perform at least 14 with no error or omission (scored 5/5)
 - Perform the rest with no more than one error or component omissions (scored either 4/5 or 5/5)
 - Perform no task with errors or omissions which lead to a score of 1/5 or 2/5 or 3/5

Referencing Style

- [Vancouver](#)

Submission

Offline

Submission Instructions

Practical Assessment in the X-Ray Laboratory

Learning Outcomes Assessed

- Formulate strategies for the efficient and effective performance of adaptation radiography in complex circumstances relative to best practices
- Perform mobile and complex radiographic imaging procedures in a simulated clinical environment
- Demonstrate currency of theoretical and practical knowledge of routine and adaptation projections for all general radiography examinations, including clinical indications, image acquisition technique and radiographic appearances of normal anatomy and pathological changes
- Demonstrate patient care and professional behaviours in the simulated clinical environment in a range of contexts.
- Provide culturally safe care that addresses the unique needs of the patient, including those of First Nations Peoples and of the individual across the lifespan, in the Australian healthcare setting.

2 Complex Scenario Practical Assessment

Assessment Type

Practical Assessment

Task Description

Radiographers regularly work in imaging teams when imaging complex patients or in complex environments. Each team member must contribute technical expertise and operate as an effective team member to optimise the examination outcomes. In the clinical environment, your team mate may be whomever is rostered to the same working area or is available, so you must be adaptable and communicate well.

This practical assessment is a 20 minute group and individual assessment in the Imaging Labs.

You will be required to perform one complex x-ray examination (which includes 1-2 views/projections) that has been covered in the unit material for this term.

In teams of two students you will be presented with a referral for a simulated complex imaging scenario. In your team you must analyse the referral, plan your approach to the imaging task and work together to safely, effectively and efficiently complete the imaging procedure on a full body anthropomorphic phantom. You must demonstrate a high level of patient care, imaging technique and communication skills. You will then critique your image/s.

Please note:

- Pairs of students for the practical assessment will be chosen at random by the unit coordinator just prior to the assessment.
- This is a timed examination. You will have 20 minutes to complete the assessment. Any practical elements of the assessment not completed within the allocated 20 minutes will be scored as not attempted.
- You must present for your 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 video cameras to enable moderation.
- As this is a simulation of a clinical procedure, you must carry out this assessment without referring to any guidance resources (eg. notes, texts, electronic devices) - this is a closed book assessment.
- You must achieve the minimum required score for the assessment. If you have demonstrated a reasonable attempt to complete the assessment and are unsuccessful in obtaining an overall pass for both team and individual assessments, you will be given one additional opportunity to perform the assessment and meet the minimum required scores for a pass. Re-sits are timetabled for Friday of Week 5.

This assessment task must be completed by the specified due date. If you have extenuating circumstances that cause you to be unable to attend your practical assessment 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 assessment 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, which would result in a Fail grade for the unit.

Assessment Due Date

Assessment will be held during the timetabled practical assessment lab sessions on Wednesday and Thursday of Week 5

Return Date to Students

Detailed feedback within one week 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 standards of performance for the assessment.

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

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

- Complete all critical tasks with no errors or omissions (so scored 5/5 on the feedback form) for both team and individual components
- Attempt all non-critical tasks for both team and individual components
- Pass both the team and individual criteria as per Standards of performance

For the Team component non-critical tasks:

- Perform at least 5 with no error or omission (scored 5/5)
- Perform the rest with no more than one error or component omissions (scored either 4/5 or 5/5)
- Perform no tasks with errors or omissions which lead to a score of 1/5 or 2/5 or 3/5

For the Individual component non-critical tasks:

- Perform at least 2 with no error or omission (scored 5/5)
- Perform the rest with no more than one error or component omissions (scored either 4/5 or 5/5)
- Perform no tasks with errors or omissions which lead to a score of 1/5 or 2/5 or 3/5

Referencing Style

- [Vancouver](#)

Submission

Offline

Submission Instructions

Practical Assessment in the X-Ray Laboratory

Learning Outcomes Assessed

- Analyse the technical and psychosocial aspects of imaging procedures within complex circumstances
- Formulate strategies for the efficient and effective performance of adaptation radiography in complex circumstances relative to best practices
- Perform mobile and complex radiographic imaging procedures in a simulated clinical environment
- Demonstrate patient care and professional behaviours in the simulated clinical environment in a range of contexts.

3 Mobile Practical Assessment

Assessment Type

Practical Assessment

Task Description

Radiographers are capable of adapting techniques when working in the clinical environment to perform imaging of complex procedures, using different imaging modalities. Mobile x-ray imaging is routinely performed by radiographers, and you must be able to contribute technical expertise and operation of a mobile unit to optimise the examination outcome.

This practical assessment is a 10 minute individual assessment in the Imaging Labs.

You will be required to perform one mobile x-ray examination that has been covered in the unit material for this term.

You will be presented with a referral for a mobile x-ray scenario. You must analyse the referral to safely, effectively and efficiently complete the mobile imaging examination on a fellow student, whilst demonstrating a high level of patient care and imaging technique.

Please note:

- This is a timed examination. You will have 10 minutes to complete the assessment. Any part of the assessment not completed within the allocated 10 minutes will be scored as not attempted.
- You must present for your 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.
- The assessment tasks will be recorded using video cameras to enable moderation.
- As this is a simulation of a clinical procedure, you must carry out this assessment without referring to any guidance resources (eg. notes, texts, electronic devices) - this is a closed book assessment.
- You must achieve the minimum required score for the assessment. If you have demonstrated a reasonable attempt to complete the assessment on the initial attempt but do not achieve the score required for a pass, you will be given one additional opportunity to perform the assessment and meet the minimum required scores for a pass, timetabled for the Friday of Week 5.

This assessment item must be completed by the specified due date. If you have extenuating circumstances that cause you to be unable to attend your practical assessment 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 assessment 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, which would result in a Fail grade for the unit.

Assessment Due Date

Assessment will be held during the timetabled practical assessment lab sessions on Wednesday and Thursday of Week 5

Return Date to Students

Detailed feedback within one week 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 standards of performance 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, in a single attempt you must:

- Complete all critical tasks with no errors or omissions (scored 5/5)
- Attempt all non-critical tasks and of those:
- Perform no more than 15 with one error or component omission (scored 4/5 or 5/5)

- Perform the rest with no errors or component omissions (scored 5/5)
- Perform no tasks with errors or omissions which lead to a score of 1/5 or 2/5 or 3/5

Referencing Style

- [Vancouver](#)

Submission

Offline

Submission Instructions

Practical Assessment in the X-Ray Laboratory

Learning Outcomes Assessed

- Formulate strategies for the efficient and effective performance of adaptation radiography in complex circumstances relative to best practices
- Perform mobile and complex radiographic imaging procedures in a simulated clinical environment
- Demonstrate patient care and professional behaviours in the simulated clinical environment in a range of contexts.

4 Professional Behaviours Assessment

Assessment Type

Laboratory/Practical

Task Description

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

Professional behaviour is a vital component of your competencies 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.

A Professional Behaviours Assessment Form is available on the unit Moodle site. You must bring it with you to each of your timetabled 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.

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

Week 5 Friday (9 Aug 2024) 4:00 pm AEST

Return Date to Students

Week 7 Friday (30 Aug 2024)

Weighting

Pass/Fail

Minimum mark or grade

Pass

Assessment Criteria

Assessed upon:

- Attendance
- Punctuality
- Professional attire
- Preparedness
- Productivity

- Teamwork
- Professional decorum
- Feedback

Detailed assessment criteria and 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 85% of available points for the professional behaviours evaluation
- complete and upload the professional behaviours evaluation form by the due date.

Referencing Style

- [Vancouver](#)

Submission

Online

Learning Outcomes Assessed

- Demonstrate patient care and professional behaviours in the simulated clinical environment in a range of contexts.

5 Written Assessment

Assessment Type

Written Assessment

Task Description

Radiographers are required to make efficient informed imaging decisions on how to approach each examination based on the patient and clinical presentation.

For this task you will write an essay on one of the four provided scenarios related to imaging in a complex situation. This could relate to any of the imaging procedures studied in the unit. You must consider how you would approach this examination in relation to best practice, patient care and radiation safety. Discuss the technical and psychosocial aspects of the given scenario and how best to complete the procedure safely, effectively and with as little physical and psychological impact as possible on you, the patient or any other relevant party.

This essay must be submitted as a Word document. The essay is to be between 1500-2000 words in length, with a maximum of 2000 words. Your essay content must comply with academic writing standards in acknowledging all content that is from external sources using both in-text citations and a reference list using correct technique referencing in the Vancouver style.

Further details on the assignment will be provided on the unit Moodle site.

Assessment Due Date

Due: Week 7 Sunday (1 Sept 2024) 11.00pm AEST

Return Date to Students

Return by: Week 9 Sunday (15 Sept 2024) 11.00pm AEST

Weighting

40%

Assessment Criteria

You will be assessed on the following criteria:

- Critical analysis of the technical requirements of the imaging procedure
- Critical analysis of psychosocial aspects of the imaging procedure
- Effectiveness of proposed strategy in addressing the following:
 - Efficiency in use of time and resources
 - Effectiveness of approach in answering the clinical question
 - Minimisation of detriment to patient, self and others

- Communication:

- Conciseness, clarity and organisation
- Adherence to assignment instructions regarding referencing, structure and length

A detailed rubric outlining the scoring criteria will be provided on the unit Moodle site.

Referencing Style

- [Vancouver](#)

Submission

Online

Learning Outcomes Assessed

- Analyse the technical and psychosocial aspects of imaging procedures within complex circumstances
- Formulate strategies for the efficient and effective performance of adaptation radiography in complex circumstances relative to best practices
- Discuss commonly performed diagnostic and interventional fluoroscopic procedures

6 Online Test

Assessment Type

Online Test

Task Description

A two-hour online test.

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.

The test will be in the format of an online Moodle test to demonstrate your ability to apply the concepts and use the terminology based on content provided from all weeks of this unit. You are required to review the images offered and to answer the questions related to each of the images. The questions will include, but are not limited to, written imaging scenarios and images in the form of photographs, radiographic images, radiographic referrals and line-drawn images to identify anatomical structures, evaluate image quality, interpret radiographic appearances and to critically analyse imaging procedures.

To complete the test, ensure that you have arranged to use a computer in good working order with adequate power/charged battery. Ensure you have reliable internet access. You are encouraged to save your work at regular intervals during the testing period to avoid losing any typed answers.

This Moodle test is of two hours (120 minutes) duration, available over a period of 4 days between Saturday 21st September 2024 at 7.00am AEST and Tuesday 24th September 2024 at 9.00pm AEST. Note that once you start the test you have 120 minutes to complete it. The test will close at the end of that time duration. You will have a single attempt, so you cannot save your answers and return to the test at a later time. If you start the test less than 120 minutes before the stated closing time, your test will still close at the stated time.

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

This test must be written at the scheduled 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 11 Tuesday (24 Sept 2024) 9:00 pm AEST

Return Date to Students

Review/Exam Week Tuesday (8 Oct 2024)

Weighting

60%

Minimum mark or grade

50%

Assessment Criteria

You will be assessed on:

- Description of effective and safe imaging practices for the given scenario
- Accurate description of normal, normal variant and abnormal appearances
- Accurate description of clinical indications for imaging procedures
- Accurate description of patient positioning
- Critical analysis of imaging procedures
- Accurate interpretation of radiographic appearances
- Consideration of interprofessional collaboration
- Critical thinking

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

- [Vancouver](#)

Submission

Online

Learning Outcomes Assessed

- Analyse the technical and psychosocial aspects of imaging procedures within complex circumstances
- Discuss commonly performed diagnostic and interventional fluoroscopic procedures
- Interpret radiographic appearances for complex radiographic and fluoroscopic procedures
- Demonstrate currency of theoretical and practical knowledge of routine and adaptation projections for all general radiography examinations, including clinical indications, image acquisition technique and radiographic appearances of normal anatomy and pathological changes
- Provide culturally safe care that addresses the unique needs of the patient, including those of First Nations Peoples and of the individual across the lifespan, in the Australian healthcare setting.

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