



MEDI13006 *Imaging Procedures 4*

Term 2 - 2021

Profile information current as at 14/12/2025 05:57 pm

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: MEDI13004 Medical Imaging Clinical Placement 2 MEDI12005 Science & Instrumentation 2 MEDI12006 Imaging Procedures 2

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

Offerings For Term 2 - 2021

- Mackay

Attendance Requirements

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

Website

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

Class and Assessment Overview

Recommended Student Time Commitment

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

Class Timetable

[Regional Campuses](#)

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

[Metropolitan Campuses](#)

Adelaide, Brisbane, Melbourne, Perth, Sydney

Assessment Overview

1. **Practical Assessment**

Weighting: Pass/Fail

2. **Practical Assessment**

Weighting: Pass/Fail

3. **Practical Assessment**

Weighting: Pass/Fail

4. **Practical Assessment**

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 & Site Supervisor reflection

Feedback

Students displayed competence and preparedness for clinical placement in the assessed areas of complex scenarios, such as mobile and trauma x-ray imaging, but required more preparation in the adaptive techniques used in the imaging of ambulant and 'walking wounded' patients for routine x-rays.

Recommendation

To enhance student preparedness for clinical placement, investigate the potential of expanding the number and type of performance assessments to include solo performance adaptation of a radiographic examination for a simulated patient with some complexity in presentation.

Feedback from Unit Coordinator and Team reflection

Feedback

The graded complex scenario practical assessment involving teamwork skills was performed to an extremely high standard, which is to be expected of students nearing the end of their 3rd year of medical imaging study. As a graded assessment, this may have distorted students' overall grades.

Recommendation

Investigate changing the graded complex scenario practical assessment to a pass/fail assessment.

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.

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



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
1 - Written Assessment - 40%	•	•		•			
2 - Online Test - 60%	•			•	•	•	
3 - Practical Assessment - 0%		•	•				•
4 - Practical Assessment - 0%	•	•	•				•
5 - Practical Assessment - 0%		•	•			•	•
6 - Practical Assessment - 0%							•

Alignment of Graduate Attributes to Learning Outcomes

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

Alignment of Assessment Tasks to Graduate Attributes

Assessment Tasks	Graduate Attributes									
	1	2	3	4	5	6	7	8	9	10
1 - Written Assessment - 40%	•	•		•	•		•	•		
2 - Online Test - 60%	•	•		•	•		•	•		

Assessment Tasks	Graduate Attributes									
	1	2	3	4	5	6	7	8	9	10
3 - Practical Assessment - 0%	•	•	•		•		•	•		

Textbooks and Resources

Textbooks

MEDI13006

Prescribed

Bontrager's Handbook of Radiographic Positioning and Techniques 9th Edition (2017)

Edition: 9th edn (2017)

Authors: John Lampignano & Leslie E. Kendrick

Elsevier

St Louis , Missouri , USA

ISBN: 9780323485258

Binding: Spiral

MEDI13006

Prescribed

Bontrager's Handbook of Radiographic Positioning and Techniques 9th Edition (2017)

Edition: 9th edn (2017)

Authors: John Lampignano & Leslie E. Kendric

Elsevier

St Louis , Missouri , USA

ISBN: 9780323399661

Binding: Hardcover

MEDI13006

Supplementary

Accident and Emergency Radiology: A Survival Guide

3rd Edition (2015)

Authors: Authors: Raby, Berman, De Lacey

Elsevier

Philadelphia , usa

ISBN: 9780702042324

Binding: Paperback

Additional Textbook Information

The textbooks listed are the same as those used previously for MEDI12003 & MEDI12006.

[View textbooks at the CQUniversity Bookshop](#)

IT Resources

You will need access to the following IT resources:

- CQUniversity Student Email
- Internet
- Unit Website (Moodle)

Referencing Style

All submissions for this unit must use the referencing style: [Harvard \(author-date\)](#)

For further information, see the Assessment Tasks.

Teaching Contacts

Natalie Sciascia Unit Coordinator
n.sciascia@cqu.edu.au

Schedule

Week 1 - 12 Jul 2021

Module/Topic	Chapter	Events and Submissions/Topic
- Inter-professional Collaboration & Teamwork	Bontrager Textbook, Chapters 1, 2, 4, 6-9	
- Adaptive Techniques	Bontrager Handbook, Chapters 2-6, 10	

Week 2 - 19 Jul 2021

Module/Topic	Chapter	Events and Submissions/Topic
- Mobile Radiography & Image Evaluation	Bontrager Textbook, Chapters 2, 5, 7, 8, 15	
- Poly-trauma & Emergency Imaging	Bontrager Handbook, Chapters 3, 5, 6, 8, 10	

Week 3 - 26 Jul 2021

Module/Topic	Chapter	Events and Submissions/Topic
- Neonatal & Paediatric Imaging, Bariatric Imaging	Bontrager Textbook, Chapters 2-9, 11, 14, 16	
- Imaging of the Elderly, Mental Health & Imaging	Bontrager Handbook, Chapters 1, 2, 4, 5, 9	

Week 4 - 02 Aug 2021

Module/Topic	Chapter	Events and Submissions/Topic
- Fluoroscopy & Interventional Imaging	Bontrager Textbook, Chapters 1, 3, 12, 15, 17	General X-ray Practical Assessment Due: Week 4 Thursday & Friday (5 & 6 Aug 2021)
- Theatre Imaging	Bontrager Handbook, Chapters 9, 10	

Week 5 - 09 Aug 2021

Module/Topic	Chapter	Events and Submissions/Topic
		Complex Scenario Practical Assessment Due: Week 5 Wednesday & Thursday (11 & 12 Aug 2021)
		Mobile Practical Assessment Due: Week 5 Wednesday & Thursday (11 & 12 Aug 2021)
		Re-tests for all Practical Assessments Due: Week 5 Friday (13 Aug 2021)
		Professional Behaviours Assessment Due: Week 5 Friday (13 Aug 2021) 11:00 pm AEST

Vacation Week - 16 Aug 2021

Module/Topic	Chapter	Events and Submissions/Topic
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Week 6 - 23 Aug 2021

Module/Topic	Chapter	Events and Submissions/Topic
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Week 7 - 30 Aug 2021

Module/Topic	Chapter	Events and Submissions/Topic
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Week 8 - 06 Sep 2021

Module/Topic	Chapter	Events and Submissions/Topic
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Week 9 - 13 Sep 2021

Module/Topic	Chapter	Events and Submissions/Topic
		Written Assessment Due: Week 9 Friday (17 Sept 2021) 11:45 pm AEST

Week 10 - 20 Sep 2021

Module/Topic	Chapter	Events and Submissions/Topic
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Week 11 - 27 Sep 2021

Module/Topic	Chapter	Events and Submissions/Topic
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Week 12 - 04 Oct 2021

Module/Topic	Chapter	Events and Submissions/Topic
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Review/Exam Week - 11 Oct 2021

Module/Topic	Chapter	Events and Submissions/Topic
		Online Test Due: Week 13 Sunday (17 Oct 2021) 9:00pm AEST

Exam Week - 18 Oct 2021

Module/Topic	Chapter	Events and Submissions/Topic
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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 at the end of Week 9 and the Online Test in Week 13, 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 (4.5 hrs/wk), independent labs (1 hr/wk) and tutorials (1.5 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 assessments of the unit. You are expected to practice your positioning techniques during the timetabled practice sessions. The pace of class lab activities has been set with this expectation of practice and corresponding skill development.

The unit coordinator for this unit is: Natalie Sciascia.

Preferred contact is by email at n.sciascia@cqu.edu.au. Alternatively, I can be contacted by phone on (07) 4940 7482 or Ext. 57482.

Assessment Tasks

1 Professional Behaviours Assessment

Assessment Type

Practical Assessment

Task Description

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

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 (13 Aug 2021) 11:00 pm AEST

Return Date to Students

Feedback will be provided within 2 weeks of due date

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

- [Harvard \(author-date\)](#)

Submission

Online

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.

Graduate Attributes

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

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 2-3 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, whilst demonstrating a high level of patient care, imaging technique and communication skills. You will then critique your images and your performance.

Please note:

- Pairs of students for the practical assessment will be chosen at random by the unit coordinator just prior to the assessment.
- There is a timed examination. You will have 20 minutes to complete the practical elements of the task. If the practical element of the examination is not completed within the allocated 20 minutes, the practical element will be stopped and you will be marked based on your performance to that point.
- 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 a video camera 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 do not achieve the minimum score, you will be given only one additional opportunity to perform the assessment, 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 Wednesday and Thursday of Week 5

Return Date to Students

Summative feedback for initial attempt to be provided within one day. Detailed feedback within two weeks of assessment.

Weighting

Pass/Fail

Minimum mark or grade

Pass

Assessment Criteria

You will be assessed on the following criteria:

- Effective planning of the imaging procedure
- Interpretation and justification of the clinical request
- Positive identification of the patient and introduction
- Verification of anatomical area and relevant clinical history
- Determine pregnancy status
- Gaining informed consent
- Effective teamwork in completing the task
- Individual contribution to completing the task
- Patient care and safety
- Infection control
- Professional communication
- Choice of views and safe adaptation of technique
- Choice of imaging parameters
- Use of primary anatomical markers
- Safe use of equipment
- Quality of the resultant images
- Accurate critique of the procedure and resultant image/s

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

Please note:

- Detailed performance and assessment criteria and a scoring rubric will be available on the unit Moodle site.
- Each performance criterion has a specified target score of 3, 4 or 5 out of 5.
- Specified critical criteria requires achieving a score of 5 out of 5, allowing for no errors or omissions.

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

- attain a score of 5 for ALL critical criteria,
- attain the minimum specified target in ALL non-critical criteria, AND
- **pass both the team criteria and the individual criteria** as listed in the Marking Rubric.

Referencing Style

- [Harvard \(author-date\)](#)

Submission

Offline

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 adaption 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 full body anthropomorphic phantom, 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 practical elements of the task. If the practical element of the examination is not completed within the allocated 10 minutes, the practical element will be stopped and you will be marked based on your performance to that point.
- 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 a video camera 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 do not achieve the minimum score, you will be given only one additional opportunity to perform the assessment, timetabled for 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

Summative feedback for initial attempt to be provided within one day. Detailed feedback within two weeks of assessment.

Weighting

Pass/Fail

Minimum mark or grade

Pass

Assessment Criteria

You will be assessed on the following criteria:

- Interpretation and justification of the clinical request
- Preparation of the x-ray room, mobile unit and ancillary equipment
- Choice of projection and safe adaptation of technique
- Projection performed effectively
- Projection performed in a timely manner

- Safe use of equipment
- Patient care
- Infection control
- Professional communication
- Use of primary anatomical markers
- Quality of the resultant images

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

Please note:

- Detailed performance and assessment criteria and a scoring rubric will be available on the unit Moodle site.
- Each performance criterion has a specified target score of 3, 4 or 5 out of 5.
- Specified critical criteria requires achieving a score of 5 out of 5, allowing for no errors or omissions.

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

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

Referencing Style

- [Harvard \(author-date\)](#)

Submission

Offline

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.

4 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 two 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, which will include mobility/movement limitations as well as sensory and/or communication limitations. You must analyse the referral to safely, effectively and efficiently complete the examination using a peer as your patient whilst demonstrating a high level of adaptive patient care, imaging technique and communication skills.

Please note:

- This is a timed examination. You will have 15 minutes to complete the practical elements of the task. If all of the practical elements of the examination are not completed within the allocated 15 minutes, the assessment will be stopped and you will be marked based on your performance to that point.
- 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 a video camera 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 do not achieve the minimum score, you will be given only one additional opportunity to perform the assessment, 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

Summative feedback for initial attempt to be provided within one day. Detailed feedback within two weeks of assessment.

Weighting

Pass/Fail

Minimum mark or grade

Pass

Assessment Criteria

You will be assessed on the following criteria:

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

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

Please note:

- Detailed performance and assessment criteria and a scoring rubric will be available on the unit Moodle site.
- Each performance criterion has a specified target score of 3, 4 or 5 out of 5.
- Specified critical criteria requires achieving a score of 5 out of 5, allowing for no errors or omissions.

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

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

Referencing Style

- [Harvard \(author-date\)](#)

Submission

Offline

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 scenario 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.

Complete the essay in the form of a Word document. The essay is to be between 1500-2000 words in length, with a maximum of 2000 words, using references where appropriate.

Assessment Due Date

Week 9 Friday (17 Sept 2021) 11:45 pm AEST

Return Date to Students

Feedback to be provided within 2 weeks of due date

Weighting

40%

Minimum mark or grade

50%

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

- [Harvard \(author-date\)](#)

Submission

Online

Submission Instructions

Submit via the unit Moodle page

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

Graduate Attributes

- Communication
- Problem Solving
- Information Literacy
- Team Work
- Cross Cultural Competence
- Ethical practice

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 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. 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 Thursday 14th October 2021 at 9.00am AEST and Sunday 17th October 2021 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 if you exit out of the test you will not be able to re-start it. 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. It means that during the test you may access your study notes, textbook, the unit Moodle site and/or any website. **The standards of academic integrity still apply.** 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 source.*

You must undertake this test as individuals 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.

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

Due Week 13 Sunday 17th October 2021 at 9.00pm AEST

Return Date to Students

Feedback to be provided within two weeks

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 patient positioning
- Critical analysis of imaging procedures
- Accurate interpretation of radiographic appearances
- Consideration of interprofessional collaboration

Question responses will be scored on the following criteria:

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

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

Referencing Style

- [Harvard \(author-date\)](#)

Submission

Online

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

Graduate Attributes

- Communication
- Problem Solving
- Information Literacy
- Team Work
- Cross Cultural Competence
- Ethical practice

Academic Integrity Statement

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

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

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

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

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

What is a breach of academic integrity?

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

Why is academic integrity important?

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

Where can I get assistance?

For academic advice and guidance, the [Academic Learning Centre \(ALC\)](#) can support you in becoming confident in completing assessments with integrity and of high standard.

What can you do to act with integrity?



Be Honest

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



Seek Help

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



Produce Original Work

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