

In Progress

Please note that this Unit Profile is still in progress. The content below is subject to change.



MEDI12005 *Imaging Science 3*

Term 2 - 2027

Profile information current as at 04/09/2026 05:53 pm

All details in this unit profile for MEDI12005 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 unit builds on prerequisite study of Imaging Science 1 and 2 units. You will expand your knowledge of x-ray equipment function and operation to specialised equipment used for orthopantomography (OPG), bone mineral densitometry, mammography and fluoroscopic systems. You will apply theory of equipment operation and image quality as you evaluate equipment function, detect performance issues, document findings and recommend follow-up actions. You will integrate quality control and quality assurance practices to overall quality improvement in Medical Imaging, particularly in the context of compliance with quality standards. You will investigate the impacts of technical parameter selection on patient dose and image quality. You will apply concepts of dose and image optimisation to present a reasoned argument in the evaluation of imaging protocols and modification of parameters in response to clinical circumstances.

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: MEDI11006 Imaging Science 1 MEDI12002 Imaging Science 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 - 2027

- Cairns
- 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

Information for Class and Assessment Overview has not been released yet.
This information will be available on Monday 17 May 2027

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
- Academic Progression Policy and Procedure
- Student Refund and Credit Balance Policy and Procedure
- 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 Informal feedback from students and marking team.

Feedback

The weekly lab learning log assessment was an individual submission. However, the lab activities (both data collection and analysis) were performed in groups. The logbook was set up with distinct sections for groupwork and individual work. Some students were unclear on the boundaries for collaboration. A large portion of the marking time was spent on evaluating and providing duplicated feedback on the group analysis. By converting this assessment task category to a group activity, there would be clearer boundaries on collaboration and it would be more time efficient for both students and the marking team. The individual component would continue to focus on application of concepts.

Recommendation

Review the assessment strategy with consideration of re-alignment and re-categorisation of the lab-related tasks.

Feedback from SUTE feedback, informal feedback from students and marking team.

Feedback

The scoring criteria and rubric for lab learning log assessment were unclear to students. The scoring set-up did not support efficient marking or provision of clear feedback to students on performance.

Recommendation

Review the scoring criteria and rubric for lab-related written assessment tasks.

Feedback from Informal feedback from students and unit coordinator reflection.

Feedback

The portion of the unit that deals with evaluation of equipment performance focuses heavily on structured quality control tests that are not typically performed by radiographers in clinical practice. It would be helpful to students at this stage of their learning to put more focus on the development of the clinical judgment and decision-making skills that underpin evaluation of performance and less on the technical testing.

Recommendation

Review the unit content on evaluation of equipment performance with respect to achievement of core skills for entry to practice and mapping to the accrediting body's newly updated Professional Capabilities.

Unit Learning Outcomes

Information for Unit Learning Outcomes has not been released yet.
This information will be available on Monday 17 May 2027

Alignment of Learning Outcomes, Assessment and Graduate Attributes

Information for Alignment of Learning Outcomes, Assessment and Graduate Attributes has not been released yet.
This information will be available on Monday 17 May 2027

Textbooks and Resources

Information for Textbooks and Resources has not been released yet.
This information will be available on Monday 21 June 2027

Academic Integrity Statement

Information for Academic Integrity Statement has not been released yet.
This unit profile has not yet been finalised.