In Progress

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

# MEDI12002 *Imaging Science 2*

## Term 1 - 2026

Profile information current as at 23/01/2025 12:05 pm



## General Information

### Overview

This unit covers the essential steps in creating useful digital radiographs. You will learn how the x-ray beam's interaction with various structures influences radiographic image appearances and how to use image geometry concepts to manage the depiction of structures on radiographs. You will become familiar with the key attributes of radiographic image quality and the factors that affect them. You will learn to control scatter radiation and understand its impact on radiographs. You will explore digital imaging technology with a focus on clinical skills in the production, display, manipulation, storage and distribution of digital radiographs. You will apply concepts of signal processing and image post-processing to effectively manage radiographic appearances.

### 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: MEDI11001 Fundamentals of Imaging Professions MEDI11002 Physics for Health Sciences Either MEDI11006 Imaging Science 1 or MEDI12001 Radiation Science
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 1 - 2026

- 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 12 January 2026

## CQUniversity Policies

**All University policies are available on the CQUniversity Policy site.**
You may wish to view these policies:

- Grades and Results Policy
- Assessment Policy and Procedure (Higher Education Coursework)
- Review of Grade Procedure
- Student Academic Integrity Policy and Procedure
- Monitoring Academic Progress (MAP) Policy and Procedure – Domestic Students
- Monitoring Academic Progress (MAP) Policy and Procedure – International Students
- Student Refund and Credit Balance Policy and Procedure
- Student Feedback – Compliments and Complaints Policy and Procedure
- Information and Communications Technology Acceptable Use Policy and Procedure

This list is not an exhaustive list of all University policies. The full list of University policies are available on the CQUniversity Policy site.

## Previous Student Feedback

### Feedback, Recommendations and Responses

Every unit is reviewed for enhancement each year. At the most recent review, the following staff and student feedback items were identified and recommendations were made.

### Feedback from Student feedback.

**Feedback**
Week 12 use of lab time for students to work on test style questions and tutorial time to work through the answers to these questions was well recieved.

**Recommendation**
Consider maintaining the use of class time to practice test style questions in the week prior to the assessment in future iterations.

### Feedback from Staff observation.

**Feedback**
Use of pre-lab videos improved lab preparation with students being more aware of how the lab activities were to be carried out, and having a better understanding of how the unit content related to the lab activity.

**Recommendation**
Explore the option to continue the use of lab preparation videos in future deliveries.

## Unit Learning Outcomes

### Information for Unit Learning Outcomes has not been released yet.

This information will be available on Monday 12 January 2026

## 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 12 January 2026

## Textbooks and Resources

Information for Textbooks and Resources has not been released yet.

This information will be available on Monday 16 February 2026

## Academic Integrity Statement

Information for Academic Integrity Statement has not been released yet.

This unit profile has not yet been finalised.