

In Progress

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



MEDI12008 Foundations of Radiation Science

Term 2 - 2026

Profile information current as at 23/01/2025 12:07 pm

All details in this unit profile for MEDI12008 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 will provide you with the foundational science knowledge needed for future study of the safe and effective use of x-ray imaging equipment and production of diagnostic radiography images. You will learn the theoretical concepts of radiation production and control, radiation interactions in matter, and basics of digital radiographic image recording and processing. This learning will be underpinned by a study of core physics concepts. You will learn how and why to limit radiation exposure through the study of radiation bioeffects and best practices in radiation protection.

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

Enrolment in CB77

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 - 2026

- Online

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 18 May 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 Unit Coordinator reflection

Feedback

None of the students attended the bi-weekly clarification drop-in sessions throughout the term.

Recommendation

Cease offering the bi-weekly clarification drop-in sessions in subsequent iterations of the unit.

Feedback from Unit Coordinator reflection

Feedback

Students will benefit from lecture content containing real-world and/or clinical scenarios that are relevant and applicable to the Chiropractic professional context.

Recommendation

Review lecture content and incorporate real-world and/or clinical scenarios that are relevant and applicable to the Chiropractic professional context.

Feedback from Unit Coordinator reflection Informal student feedback

Feedback

Some students perceive the Radiation Production and Imaging Report as an ineffective assessment tool leading to diminished motivation for students to invest time and effort into the assessment.

Recommendation

Review the appropriateness of the existing Radiation Production and Imaging report as an assessment tool and consider alternative methods, such as online tests, to improve the overall efficiency of the assessment process.

Feedback from PASS team PASS student leaders Unit Coordinator reflection

Feedback

The Peer Assisted Study Sessions (PASS), typically available for Year 1 units at CQU, were introduced for the first time in this second-year unit. Despite consistent reminders, none of the students showed any interest or participated in the Peer Assisted Study Sessions (PASS).

Recommendation

Reassess the option to offer Peer Assisted Study Sessions (PASS) in future iterations of the unit given the lack of interest and participation by students.

Feedback from PASS student leaders Unit Coordinator reflection Informal student feedback

Feedback

Some students preferred the weekly tutorials to focus on content covered during that week instead of a retrospective coverage in the subsequent week.

Recommendation

Invest in the option to offer weekly tutorials in the same week of content coverage instead of retrospective coverage the following week to support and promote a more effective learning experience for the students.

Feedback from PASS student leaders Unit Coordinator reflection Informal student feedback

Feedback

Many students perceived the study skills content covered in the initial tutorial not particularly relevant or beneficial to their learning needs as second year students.

Recommendation

Remove the content on study skills from the initial tutorial content and focus this first tutorial on the week 1 unit content to provide a more meaningful learning experience for the students.

Unit Learning Outcomes

Information for Unit Learning Outcomes has not been released yet.

This information will be available on Monday 18 May 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 18 May 2026

Textbooks and Resources

Information for Textbooks and Resources has not been released yet.

This information will be available on Monday 22 June 2026

Academic Integrity Statement

Information for Academic Integrity Statement has not been released yet.

This unit profile has not yet been finalised.