

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 - 2027

Profile information current as at 09/09/2026 05:06 am

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 - 2027

- 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 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 student feedback Unit coordinator reflection

Feedback

Students found the use of illustrations in tutorial discussions valuable in understanding complex concepts.

Recommendation

Maintain current use of illustrations and investigate expanding the use of illustrations in tutorials when covering complex concepts.

Feedback from Unit coordinator reflection

Feedback

Students will be able to better connect theoretical concepts with clinical applications if the virtual labs include more images and less numerical data.

Recommendation

Investigate the utility of increasing the number of images and reducing the amount of numerical data in the virtual labs to support student learning.

Feedback from Unit coordinator reflection

Feedback

The Radiation Production and Imaging Report marks are skewed toward higher grades, likely due to the current rubric not clearly distinguishing between performance levels.

Recommendation

Review and modify the rubric to provide clearer criteria for each grade level, enabling better differentiation of student performance.

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.