

In Progress

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



MEDI11006 *Imaging Science 1*

Term 3 - 2024

Profile information current as at 21/05/2024 07:11 am

All details in this unit profile for MEDI11006 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 first of four units of study in the field of Imaging Science. This foundation unit builds on your introductory study of radiography and use of x-ray equipment in the prerequisite unit MEDI11001 Fundamentals of the Imaging Professions. In this unit you will examine the design and operation of the x-ray tube and the x-ray generator, learning how form follows function to enable controlled radiation output in terms of beam contents, location, dimensions and duration. You will examine the radiation interactions with matter that occur for diagnostic x-ray energies and factors affecting the relative quantities of each that occur as an x-ray beam passes through an object. You will learn how ionising radiation is measured and expressed, particularly in terms of clinical metrics. You will discuss techniques of clinical equipment use to conserve equipment life and support radiation safety of the patient, the equipment operator and others in the area. You will discuss radiation bioeffects and radiation safety standards for diagnostic x-ray exposure.

Details

Career Level: *Undergraduate*

Unit Level: *Level 1*

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 the Imaging Professions MEDI11002 Physics for Health 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 3 - 2024

- 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 9 September 2024

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](#).

Unit Learning Outcomes

Information for Unit Learning Outcomes has not been released yet.

This information will be available on Monday 9 September 2024

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 9 September 2024

Textbooks and Resources

Information for Textbooks and Resources has not been released yet.

This information will be available on Monday 14 October 2024

Academic Integrity Statement

Information for Academic Integrity Statement has not been released yet.

This unit profile has not yet been finalised.