

In Progress

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



MEDI12007 Quality Processes for Dose and Image Optimisation

Term 3 - 2024

Profile information current as at 29/07/2024 05:18 pm

All details in this unit profile for MEDI12007 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

You will apply knowledge of equipment operation and use as well as radiographic image acquisition techniques to the optimisation of radiographic images and patient dose. You will apply the concepts of quality control testing and quality assurance to monitor equipment performance, detect performance issues, document findings and determine corrective action. You will consider imaging quality processes in the larger context of facility quality management and compliance with external standards. You will investigate the impact of technical factor selection on patient dose and image quality. Through these you will learn to make informed selections and modifications of technical parameters for radiographic procedures and to justify your decision-making.

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: MEDI12001 Radiation Science MEDI12002 Science and Instrumentation 1 MEDI12005 Science & Instrumentation 2 Co-requisite: MEDI12004 Medical Imaging Clinical Placement 1

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

- Mixed Mode

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).

Residential Schools

This unit has a Compulsory Residential School for distance mode students and the details are:

Click here to see your [Residential School Timetable](#).

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](#).

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, teaching team observations

Feedback

Students entered their lab data into the provided Excel-based workbook which automatically performed required calculations. Although efficient for lab test completion, it resulted in many students not understanding the data analysis processes.

Recommendation

Modify the lab workbook to remove the automatic calculations.

Feedback from Informal student feedback, teaching team observations

Feedback

The three days of residential school was tightly packed with lab and classroom activities. Students had no independent study time to analyse their lab data or create summary notes to support retention of learning.

Recommendation

Modify the residential school schedule to incorporate time for data analysis and debriefing.

Feedback from Informal student feedback, teaching team observations

Feedback

Many students had not completed the requisite learning activities in the first two weeks to prepare them for both the lab activities and the in-class test of the res school in the third week.

Recommendation

Send multiple targeted announcements and emails to students at the start of the unit to specify what needs to be completed prior to the res school and why.

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.