

In Progress

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



MEDS20009 Science and Instrumentation of Ultrasound

Term 3 - 2022

Profile information current as at 18/05/2022 06:12 am

All details in this unit profile for MEDS20009 have been officially approved by CQU University 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 aims to develop knowledge and understanding of the science and instrumentation of clinical ultrasound to enable you to practically produce and optimise sonographic images to support clinical decision making. The unit emphasis will be on image optimisation, safety and quality assurance. This unit will form the foundation from which you will build image acquisition, recognition and assessment skills as part of the Graduate Certificate in Clinical Ultrasound.

Details

Career Level: *Postgraduate*

Unit Level: *Level 8*

Credit Points: 6

Student Contribution Band: 8

Fraction of Full-Time Student Load: 0.125

Pre-requisites or Co-requisites

There are no requisites for this unit.

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 - 2022

- 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 12 September 2022

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 Moodle unit site 'Have your say' student feedback.

Feedback

Students suggested that a practical component would enhance their understanding, particularly for students that have not used an ultrasound unit before.

Recommendation

Consider developing and adding videos or delivering tutorials with a tutor in front of an ultrasound unit demonstrating the use of the ultrasound unit in real time, and how alteration of controls of the ultrasound unit (such as gain, depth, focus, colour Doppler, pulsed wave Doppler etc) can affect the subsequent real time ultrasound imaging.

Feedback from Moodle unit site 'Have your say' student feedback.

Feedback

Students comment that unit is content heavy, but felt they were well guided towards assessments.

Recommendation

Continue to use and further develop authentic test questions which relate to the practical use of ultrasound for clinical scenarios. Continue to guide and support students in regular tutorials, providing questions and model answers, to ensure they develop a conceptual understanding of the physics related to clinical sonographic imaging.

Unit Learning Outcomes

Information for Unit Learning Outcomes has not been released yet.

This information will be available on Monday 12 September 2022

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 September 2022

Textbooks and Resources

Information for Textbooks and Resources has not been released yet.

This information will be available on Monday 12 September 2022

Academic Integrity Statement

Information for Academic Integrity Statement has not been released yet.

This unit profile has not yet been finalised.