

In Progress

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



ECHO12006 Cardiac Science

Term 1 - 2027

Profile information current as at 03/09/2026 09:04 pm

All details in this unit profile for ECHO12006 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

The accurate diagnosis of cardiac conditions requires comprehensive knowledge of cardiac pathophysiology, and the outcomes of a variety of cardiovascular assessment procedures. In this unit you will be introduced to cardiac assessment within the catheterisation laboratory. You will learn how to interpret a 12-lead electrocardiogram (ECG), and how to assess cardiac structure and function by performing a two-dimensional echocardiographic examination. Within the ethical framework of best practice, you will examine simulated case-based clinical information. You will explore the outcomes of cardiac diagnostic procedures, formulate differential diagnoses and patient management strategies for a variety of common cardiovascular pathologies. Attendance at practical activities is a requirement of this unit.

Details

Career Level: *Undergraduate*

Unit Level: *Level 2*

Credit Points: *12*

Student Contribution Band: *8*

Fraction of Full-Time Student Load: *0.25*

Pre-requisites or Co-requisites

Pre-requisite ECHO11003 Fundamentals of Cardiac Science AND ALLH11009 Research Methods for Health Professionals AND MEDI11004 Professional Practice AND ECHO11002 Cardiac Structure and Function and ECHO11004 Biochemistry for Cardiac Pharmacology Co-requisite MEDS12001 Physics of Ultrasound and MPAT12001 Medical Pathophysiology
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 1 - 2027

- Brisbane
- Sydney

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 11 January 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 SUTE Feedback

Feedback

Some students reported difficulty managing the unit workload.

Recommendation

Clear communication will be provided at the commencement of the unit regarding the expected study commitment for a 12-credit-point unit, including the time required for classes, independent study, assessment preparation, and revision.

Feedback from SUTE Feedback

Feedback

Students expressed a desire for additional scanning practice opportunities to further develop their practical skills and confidence in applying echocardiographic techniques

Recommendation

Compulsory teaching sessions, together with non-compulsory tutor-led and peer-led practice sessions, are carefully scheduled throughout the term to provide students with adequate opportunities to achieve the expected skills competence by the end of the term. Engagement in non-compulsory sessions fluctuates, increasing toward the end of term near final assessments. Earlier engagement will be promoted.

Feedback from SUTE Feedback

Feedback

Some students reported difficulty identifying the learning resources available within the unit.

Recommendation

A range of learning resources is available to support student learning throughout the term. Students will be reminded in the welcome video and in the first tutorial of the resources available and where to access them within Moodle. Encouraging early engagement with these resources may help students better navigate unit content and support their achievement of learning outcomes.

Feedback from SUTE Feedback

Feedback

Students noted that some sections of the rubric appeared to be weighted more heavily than others.

Recommendation

A review of the assessment rubric should be undertaken to ensure mark allocation appropriately reflects the assessment requirements and learning outcomes.

Unit Learning Outcomes

Information for Unit Learning Outcomes has not been released yet.
This information will be available on Monday 11 January 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 11 January 2027

Textbooks and Resources

Information for Textbooks and Resources has not been released yet.
This information will be available on Monday 15 February 2027

Academic Integrity Statement

Information for Academic Integrity Statement has not been released yet.
This unit profile has not yet been finalised.