

In Progress

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



MATH12223 *Calculus A*

Term 1 - 2027

Profile information current as at 07/09/2026 08:52 pm

All details in this unit profile for MATH12223 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

In this unit, you will study common functions and single-variable differential calculus. Through a visual, verbal, numerical and algebraic approach, you will formulate and apply functions and graphs in modelling applied mathematics problems. You will also develop a conceptual understanding of calculus and apply differentiation to solve problems in science, engineering and other disciplines. Other important elements of this unit are the communication of results, concepts and ideas using mathematics as a language.

Details

Career Level: *Undergraduate*

Unit Level: *Level 2*

Credit Points: 6

Student Contribution Band: 7

Fraction of Full-Time Student Load: 0.125

Pre-requisites or Co-requisites

Prerequisite: Admission to CC10 or completion of MATH11246 Essentials of Applied Mathematics or MATH11160

Technology Mathematics Anti-Requisite: MATH11163 Mathematics 1A

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

- 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 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 Student Unit Feedback

Feedback

Students were pleased with the organisation of the unit.

Recommendation

Continue with the current learning and teaching practices.

Feedback from Student Unit Feedback

Feedback

Most students found the mathematics study to be both challenging and enjoyable.

Recommendation

Continue to provide a positive and supportive learning experience.

Feedback from Unit Coordinator's Reflections

Feedback

Insufficient stronger links between unit content and its relevance to real-world contexts and career opportunities.

Recommendation

Consider using real-world use cases to highlight the applied aspect of the unit content.

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.