In Progress

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

MATH11218 *Applied Mathematics*

Term 2 - 2026

Profile information current as at 27/12/2024 09:19 am

General Information

Overview

In this unit, you will study fundamental mathematical concepts, processes, and techniques necessary to support subsequent studies in applied calculus. Throughout the term, you will record handwritten worked examples of all problems attempted in a workbook to create a comprehensive resource for solving mathematical problems, which you can apply in the exam and throughout your course and career. You will investigate the properties and applications of linear, quadratic, logarithmic, and exponential functions. You will use trigonometry to solve triangles and determine solutions to problems involving algebraic techniques. Complex numbers, vectors, and matrix algebra will be used to develop solutions to problems. Other important elements of this unit are communicating results, concepts, and ideas using mathematics as a language. This unit will develop your software skills in WolframAlpha to visualise, analyse, validate and solve problems.

Details

Career Level: *Undergraduate*
Unit Level: *Level 1*
Credit Points: *6*
Student Contribution Band: *7*
Fraction of Full-Time Student Load: *0.125*

Pre-requisites or Co-requisites

Anti-requisite: MATH12223 or MATH12224.
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 2 - 2026

- Bundaberg
- Cairns
- Gladstone
- Mackay
- Online
- Rockhampton

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 18 May 2026

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 Student evaluation

Feedback
Most of the content is well known by anyone who has studied Specialist Maths in high school.

Recommendation
It is not recommended that the contents of this unit be considered 'advanced' as most of the students who enrol have not taken 'Mathematical Methods' or 'Specialist Mathematics', in High School.

Feedback from Student evaluation

Feedback
Assessment questions should be free from spelling and grammatical errors.

Recommendation
Assessment questions should be checked and made free from spelling and grammatical errors.

Feedback from Student evaluation

Feedback
Students scored lowest in the 'Useful feedback' category (55.56%).

Recommendation
More detailed and individualised feedback should be provided in the assessments as quickly as practicable.

Unit Learning Outcomes

Information for Unit Learning Outcomes has not been released yet.

This information will be available on Monday 18 May 2026

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 18 May 2026

Textbooks and Resources

Information for Textbooks and Resources has not been released yet.

This information will be available on Monday 22 June 2026

Academic Integrity Statement

Information for Academic Integrity Statement has not been released yet.

This unit profile has not yet been finalised.