

In Progress

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



MGMT20130 *Operations Management and Business Analytics*

Term 1 - 2027

Profile information current as at 05/09/2026 07:43 am

All details in this unit profile for MGMT20130 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 today's dynamic business landscape, organisations strive for operational excellence and data-driven decision-making. Operations management and business analytics offer a comprehensive exploration of the synergies between efficient operations and the strategic use of data analytics. The unit explores the contemporary principles and practices involved in the management of both service and manufacturing operations. Taking a strategic approach to operations, you will examine fundamental concepts including process planning, design, and control; quality management, Lean thinking, and Six Sigma continuous improvement; the role of the supply chain in modern operations; capacity planning, facility location, and project-based activities within operational environments. Particular attention is given to the strategic implications of operational design choices in the context of uncertainty and resilience. You will utilise business data from a variety of organisational sources including financial, economic and market information and develop mathematical and analytical models that support effective operational decision making. The unit also provides opportunities to apply contemporary analytics and visualisation tools to interpret operational performance and communicate insights. In addition, you will engage in independent, evidence-based research to analyse operational challenges and propose viable, data-informed solutions that enhance organisational effectiveness.

Details

Career Level: *Postgraduate*

Unit Level: *Level 9*

Credit Points: 6

Student Contribution Band: *10*

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 1 - 2027

- Brisbane
- Melbourne
- Online
- 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

The unit provided useful insights on operations management and business analytics, specifically how to approach case studies that required mathematical and theoretical modelling. Overall the unit was delivered really well.

Recommendation

Continue with the same moment while including contemporary analytical tools and case studies.

Feedback from In class

Feedback

If possible, embed Power BI given its increasing use in industry

Recommendation

Embed Power BI dashboard for business analytics

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.