

## In Progress

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



# MGMT29009 Operations Management and Business Analytics

## Term 2 - 2024

Profile information current as at 16/05/2024 11:31 pm

All details in this unit profile for MGMT29009 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 such as process planning, design, control and Six Sigma continuous improvement; quality management and lean thinking; the role of the supply chain in modern operations; capacity and location principles as well as the use of project-based activities in an operational environment. You will utilise business data from a variety of organisational sources including financial, economic and market information and develop mathematical models for more effective operational decisions. The unit also provides you with the opportunity to engage in independent research using evidence-based approaches to identify workplace issues and recommend viable 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

Students enrolling in this unit must be undertaking the CL84 Master of Business Administration (International).

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 - 2024

- Jakarta

### 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

### Recommended Student Time Commitment

Each 6-credit Postgraduate unit at CQUniversity requires an overall time commitment of an average of 12.5 hours of study per week, making a total of 150 hours for the unit.

### Class Timetable

#### [Regional Campuses](#)

Bundaberg, Cairns, Emerald, Gladstone, Mackay, Rockhampton, Townsville

#### [Metropolitan Campuses](#)

Adelaide, Brisbane, Melbourne, Perth, Sydney

### Assessment Overview

#### Assessment Grading

This is a graded unit: your overall grade will be calculated from the marks or grades for each assessment task, based on the relative weightings shown in the table above. You must obtain an overall mark for the unit of at least 50%, or an overall grade of 'pass' in order to pass the unit. If any 'pass/fail' tasks are shown in the table above they must also be completed successfully ('pass' grade). You must also meet any minimum mark requirements specified for a particular assessment task, as detailed in the 'assessment task' section (note that in some instances, the minimum mark for a task may be greater than 50%). Consult the [University's Grades and Results Policy](#) for more details of interim results and final grades.

## 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 Informal comments from students

##### **Feedback**

Stress the relevance of this unit to students' industries.

##### **Recommendation**

The contents of this unit are relevant across all industries, so it may be useful for the local tutor to tailor the examples given to the specific industry cohort in the classroom. Moreover, assessments allow students to choose which industry to focus on - they should be encouraged to choose their own industry.

#### Feedback from Informal comments from students

##### **Feedback**

Students wish to learn more about the advancements of AI in analytics.

##### **Recommendation**

The current content relating to AI needs to be stressed further and any advancements between now and the next iteration need to be included in the unit.

## Unit Learning Outcomes

### **On successful completion of this unit, you will be able to:**

1. Develop an advanced and integrated understanding of operations managements and business analytics
2. Critically analyse and reflect on key principles of operations analytics
3. Critically apply a complex systems approach to analytically identify, analyse and investigate the management of operational functions
4. Synthesise complex data from a variety of sources and develop mathematical models as part of the analytical process to identify and propose solutions to contentious workplace business problems
5. Interpret and successfully apply knowledge related to recent development of operations management in service and manufacturing industries.

## Alignment of Learning Outcomes, Assessment and Graduate Attributes

 N/A Level	 Introductory Level	 Intermediate Level	 Graduate Level	 Professional Level	 Advanced Level
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### Alignment of Assessment Tasks to Learning Outcomes

Assessment Tasks	Learning Outcomes				
	1	2	3	4	5
<b>1 - Critical Review - 40%</b>	•	•	•	•	•
<b>2 - Report - 60%</b>	•	•	•	•	•

### Alignment of Graduate Attributes to Learning Outcomes

Graduate Attributes	Learning Outcomes				
	1	2	3	4	5
<b>1 - Knowledge</b>		◦	◦	◦	◦
<b>2 - Communication</b>			◦	◦	◦
<b>3 - Cognitive, technical and creative skills</b>	◦	◦	◦	◦	◦
<b>4 - Research</b>	◦		◦	◦	◦
<b>5 - Self-management</b>		◦		◦	◦
<b>6 - Ethical and Professional Responsibility</b>	◦	◦		◦	◦
<b>7 - Leadership</b>	◦	◦	◦	◦	◦
<b>8 - Aboriginal and Torres Strait Islander Cultures</b>					

## Textbooks and Resources

Information for Textbooks and Resources has not been released yet.

This information will be available on Monday 17 June 2024

## Academic Integrity Statement

Information for Academic Integrity Statement has not been released yet.

This unit profile has not yet been finalised.