



MGMT8056

Production and Logistics Management

Session 2, In person-scheduled-weekday, North Ryde 2026

Department of Management

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General Information

Unit convenor and teaching staff Unit Convenor Peter Shi peter.shi@mq.edu.au By appointment
Credit points 10
Prerequisites (Admission to MCom and MGMT6051) or (Admission to MEngMgmt)
Corequisites
Co-badged status
Unit description This unit focuses on the foundations of production & operations management and the role of logistics in facilitating the movement of goods and services. The primary objective is to understand key theories, principles, techniques, methods, and applications of real-life operations and logistics management across different industries. The practical issues and difficulties in making operations and logistics decisions are examined.

Important Academic Dates

Information about important academic dates including deadlines for withdrawing from units are available at <https://www.mq.edu.au/study/calendar-of-dates>

Learning Outcomes

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

ULO1: Identify and apply the theoretical and conceptual frameworks to improve operations and logistics management effectiveness.

ULO2: Critically examine operations and logistics management data through group and individual analysis to make well-informed business decisions.

ULO3: Analyse real-time production and operations management practices to achieve excellence in organisational performance.

General Assessment Information

Late Assessment Submission Penalty (written assessments)

If you submit your assessment late, 5% of the total possible marks will be deducted for each day (including weekends), up to 7 days. Submissions more than 7 days late will receive a mark of 0.

Example 1 (out of 100): If you score 85/100 but submit 20 hours late, you will lose 5 marks and receive 80/100.

Example 2 (out of 30): If you score 27/30 but submit 20 hours late, you will lose 1.5 marks and receive 25.5/30.

Extensions:

Automatic short extension: Some assessments are eligible for automatic short extension. You can only apply for an automatic short extension before the due date.

Special Consideration: If you need more time due to serious issues and for any assessments that are not eligible for Short Extension, you must apply for Special Consideration. Need help? Review the [Special Consideration page](#) for further details.

Assessment Tasks

Name	Weighting	Hurdle	Due	Groupwork/Individual	Short Extension	AI Approach
Professional practice: Designing competitive operations strategy	40%	No	31/08/2026	Individual	Yes	Open
Skills development: Applied knowledge assessment	30%	No	14/09/2026	Individual	No	Open
Professional practice: Applied operations management	30%	No	Weeks 9-12	Group	No	Observed

Professional practice: Designing competitive operations strategy

Assessment Type ¹: Professional task

Indicative Time on Task ²: 35 hours

Due: **31/08/2026**

Weighting: **40%**

Groupwork/Individual: Individual

Short extension ³: Yes

AI Approach: Open

The purpose of this assessment is to develop your ability to evaluate and redesign an

organisation's operations strategy as a source of competitive advantage.

You will assume the role of an acting operations manager and analyse the operations strategy of an organisation you know. Drawing on relevant frameworks, you will critically assess how the firm's operations align with its overall strategy and propose improvements that strengthen performance and long-term competitiveness.

Skills in focus:

- Discipline knowledge
- Critical thinking and problem solving
- Work readiness

Deliverable(s): Analytical report [max 1500 words]

Individual assessment

On successful completion you will be able to:

- Identify and apply the theoretical and conceptual frameworks to improve operations and logistics management effectiveness.
- Critically examine operations and logistics management data through group and individual analysis to make well-informed business decisions.
- Analyse real-time production and operations management practices to achieve excellence in organisational performance.

Skills development: Applied knowledge assessment

Assessment Type ¹: Problem-based task

Indicative Time on Task ²: 30 hours

Due: **14/09/2026**

Weighting: **30%**

Groupwork/Individual: Individual

Short extension ³: No

AI Approach: Open

The purpose of this assessment is to evaluate your ability to apply theoretical concepts and frameworks introduced in the unit to discipline-specific problems in a structured, time-limited setting.

You will complete an individual online test covering unit content. The assessment will test your understanding, interpretation, and application of key ideas and models through a series of applied questions.

Skills in focus:

- Discipline knowledge

Deliverable(s): Quiz

Individual assessment

On successful completion you will be able to:

- Identify and apply the theoretical and conceptual frameworks to improve operations and logistics management effectiveness.
- Critically examine operations and logistics management data through group and individual analysis to make well-informed business decisions.

Professional practice: Applied operations management

Assessment Type ¹: Problem-based task

Indicative Time on Task ²: 20 hours

Due: **Weeks 9-12**

Weighting: **30%**

Groupwork/Individual: Group

Short extension ³: No

AI Approach: Observed

The purpose of this assessment is to apply operations and logistics management concepts to analyse, evaluate, and propose improvements for a real Australian organisation in the service industry.

You will work collaboratively in a team to identify operational challenges, apply relevant analytical tools and frameworks, and present evidence-based recommendations for improvement. You will communicate your findings through a team presentation, integrating theory, research, and practical insight.

Skills in focus:

- Discipline knowledge
- Critical thinking and problem solving
- Collaboration and communication
- Work readiness

Deliverable(s): Group presentation (20 min per group plus 10 min Q&A).

Group assessment

On successful completion you will be able to:

- Identify and apply the theoretical and conceptual frameworks to improve operations and logistics management effectiveness.
 - Critically examine operations and logistics management data through group and individual analysis to make well-informed business decisions.
 - Analyse real-time production and operations management practices to achieve excellence in organisational performance.
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¹ If you need help with your assignment, please contact:

- the academic teaching staff in your unit for guidance in understanding or completing this type of assessment
- [Academic Success](#) for academic skills support.

² Indicative time-on-task is an estimate of the time required for completion of the assessment task and is subject to individual variation.

³ An automatic short extension is available for some assessments. Apply through the [Service Connect Portal](#).

Delivery and Resources

Please check the details via iLearn.

Policies and Procedures

Macquarie University policies and procedures are accessible from [Policy Central](https://policies.mq.edu.au) (<https://policies.mq.edu.au>). Students should be aware of the following policies in particular with regard to Learning and Teaching:

- [Academic Appeals Policy](#)
- [Academic Integrity Policy](#)
- [Academic Progression Policy](#)
- [Assessment Policy](#)
- [Fitness to Practice Procedure](#)
- [Assessment Procedure](#)
- [Complaints Resolution Procedure for Students and Members of the Public](#)
- [Special Consideration Policy](#)

Students seeking more policy resources can visit [Student Policies](https://students.mq.edu.au/support/study/policies) (<https://students.mq.edu.au/support/study/policies>). It is your one-stop-shop for the key policies you need to know about

throughout your undergraduate student journey.

To find other policies relating to Teaching and Learning, visit [Policy Central](https://policies.mq.edu.au) (<https://policies.mq.edu.au>) and use the [search tool](#).

Student Code of Conduct

Macquarie University students have a responsibility to be familiar with the Student Code of Conduct: <https://students.mq.edu.au/admin/other-resources/student-conduct>

Results

Results published on platform other than [eStudent](#), (eg. iLearn, Coursera etc.) or released directly by your Unit Convenor, are not confirmed as they are subject to final approval by the University. Once approved, final results will be sent to your student email address and will be made available in [eStudent](#). For more information visit connect.mq.edu.au or if you are a Global MBA student contact globalmba.support@mq.edu.au

Academic Integrity

At Macquarie, we believe [academic integrity](#) – honesty, respect, trust, responsibility, fairness and courage – is at the core of learning, teaching and research. We recognise that meeting the expectations required to complete your assessments can be challenging. So, we offer you a range of resources and services to help you reach your potential, including free [online writing and maths support](#), [academic skills development](#) and [wellbeing consultations](#).

Student Support

Macquarie University provides a range of support services for students. For details, visit <http://students.mq.edu.au/support/>

Academic Success

[Academic Success](#) provides resources to develop your English language proficiency, academic writing, and communication skills.

- [Ask a Study Coach](#)
- [Access StudyWISE](#)
- [Upload an assignment to Studiosity](#)
- [Complete the Academic Integrity Module](#)

The Library provides online and face to face support to help you find and use relevant information resources.

- [Subject and Research Guides](#)
- [Ask a Librarian](#)

Student Services and Support

Macquarie University offers a range of [Student Support Services](#) including:

- [IT Support](#)
- [Accessibility and disability support](#) with study
- Mental health [support](#)
- [Safety support](#) to respond to bullying, harassment, sexual harassment and sexual assault
- [Social support including information about finances, tenancy and legal issues](#)
- [Student Advocacy](#) provides independent advice on MQ policies, procedures, and processes

Student Enquiries

Got a question? Ask us via the [Service Connect Portal](#), or contact [Service Connect](#).

IT Help

For help with University computer systems and technology, visit <https://students.mq.edu.au/support/technology/service-desk>.

When using the University's IT, you must adhere to the [Acceptable Use of IT Resources Policy](#). The policy applies to all who connect to the MQ network including students.

Unit information based on version 2026.05 of the [Handbook](#)