



ENGG8103

Engineering Management and Communication

Session 1, Special circumstances 2021

School of Engineering

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Disclaimer

Macquarie University has taken all reasonable measures to ensure the information in this publication is accurate and up-to-date. However, the information may change or become out-dated as a result of change in University policies, procedures or rules. The University reserves the right to make changes to any information in this publication without notice. Users of this publication are advised to check the website version of this publication [or the relevant faculty or department] before acting on any information in this publication.

Notice

As part of [Phase 3 of our return to campus plan](#), most units will now run tutorials, seminars and other small group activities on campus, and most will keep an online version available to those students unable to return or those who choose to continue their studies online.

To check the availability of face-to-face activities for your unit, please go to [timetable viewer](#). To check detailed information on unit assessments visit your unit's iLearn space or consult your unit convenor.

General Information

Unit convenor and teaching staff

Dr Nazmul Huda

nazmul.huda@mq.edu.au

Contact via 02 9850 2249

44, Waterloo Road, Room 118

Monday 1.00 - 3.00 PM/ Otherwise by prior appointment

Credit points

10

Prerequisites

Admission to MEngMgt or MEngElecEng or MEngNetTeleEng

Corequisites

Co-badged status

Unit description

This unit is required for the Master of Engineering Management program and is designed to deliver a broad range of skills on engineering management and communication from an organisation's perspective. The content covered is designed for diverse engineering backgrounds and includes engineering management in the context of a project, engineering research approaches and communication skills. It will also include other aspects of communication, leadership, procurement, human resource management and technology management skills.

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: Apply interdisciplinary knowledge from engineering, business, and management in engineering project management.

ULO2: Apply knowledge of organizational behaviour and expertise to the management and leadership of people and organisations.

ULO3: Implement advanced and integrated knowledge of engineering management, with a specific focus on project management, supply chain solutions, engineering leadership,

and human resource management.

ULO4: Utilize research skills to develop new knowledge, data, interpretations or information in the field of engineering management.

General Assessment Information

General Assessment Information

Student Responsibilities

Be familiar with University policy and College procedures and act in accordance with those policies and procedures. It is the responsibility of the student to retain a copy of any work submitted. Students must produce these documents upon request. Copies should be retained until the end of the grade appeal period each term. The student is to perform the required due diligent for their assessment grade and rectify as soon as possible upon finding any errors.

Notifications

Formal notification of assessment tasks, grading rubrics, and due dates will be posted on iLearn. Although all reasonable measures to ensure the information is accurate, The University reserves the right to make changes without notice. Each student is responsible for checking iLearn for changes and updates.

Report and Assignment Tasks

Assignment Problems will be posted on iLearn at least one week before their submission date. Assignment solutions will be posted within 7 working days after the submission date. Submissions will not be accepted once the solution is posted.

Assignment submissions and plagiarism policies

All assignments and reports must be submitted electronically through iLearn (in pdf format) in the appropriate space provided for submissions in ilearn. Submissions will undergo plagiarism checkers using the Turnitin software and any work deemed to have 30% or higher similarity score may incur an academic penalty. For more details on the policies of academic penalties relating to academic honesty, please refer to the policies and procedures section below. Submissions are expected to be either handwritten or typed in a logical layout and sequence. Markers WILL NOT grade poorly organized or illegible scans or drafts. The expected workload includes preparation of final copies and clear diagrams.

Late submissions

Late submissions or absences from tutorials and laboratories will not be accepted without prior arrangement being made before the submission date. Extenuating circumstances will be considered upon lodgement of a formal notice of disruption of studies.

Grading and passing requirement for unit

In order to pass the unit satisfactorily, the students need to fulfil the following criteria:

1. At least 50% marks overall

For further details about grading, please refer below in the policies and procedures section.

The unit will be graded according to the Macquarie University Grading policy. The following grades will be used according to the listed numerical range:

| | | |
|----|------------------|--------|
| HD | High Distinction | 85-100 |
| D | Distinction | 75-84 |
| Cr | Credit | 65-74 |
| P | Pass | 50-64 |
| F | Fail | 0-49 |

Final Examinations Final examinations will typically take place at the end of the semester. For further information, please refer to the Examination Timetable website on www.mq.edu.au

Assessment Tasks

| Name | Weighting | Hurdle | Due |
|-----------------------------------|-----------|--------|-------------------------|
| Final Examination | 40% | No | TBA |
| Group Project | 30% | No | Week 12 |
| Case studies | 30% | No | Week 5, Week 8, Week 12 |

Final Examination

Assessment Type ¹: Examination

Indicative Time on Task ²: 30 hours

Due: **TBA**

Weighting: **40%**

Final Examination

On successful completion you will be able to:

- Apply interdisciplinary knowledge from engineering, business, and management in engineering project management.
- Apply knowledge of organizational behaviour and expertise to the management and leadership of people and organisations.
- Implement advanced and integrated knowledge of engineering management, with a

specific focus on project management, supply chain solutions, engineering leadership, and human resource management.

- Utilize research skills to develop new knowledge, data, interpretations or information in the field of engineering management.

Group Project

Assessment Type ¹: Project

Indicative Time on Task ²: 20 hours

Due: **Week 12**

Weighting: **30%**

Group Project

On successful completion you will be able to:

- Apply interdisciplinary knowledge from engineering, business, and management in engineering project management.
- Apply knowledge of organizational behaviour and expertise to the management and leadership of people and organisations.
- Implement advanced and integrated knowledge of engineering management, with a specific focus on project management, supply chain solutions, engineering leadership, and human resource management.
- Utilize research skills to develop new knowledge, data, interpretations or information in the field of engineering management.

Case studies

Assessment Type ¹: Case study/analysis

Indicative Time on Task ²: 20 hours

Due: **Week 5, Week 8, Week 12**

Weighting: **30%**

Case Studies on Engineering Project Management

On successful completion you will be able to:

- Apply interdisciplinary knowledge from engineering, business, and management in engineering project management.

- Apply knowledge of organizational behaviour and expertise to the management and leadership of people and organisations.
- Implement advanced and integrated knowledge of engineering management, with a specific focus on project management, supply chain solutions, engineering leadership, and human resource management.
- Utilize research skills to develop new knowledge, data, interpretations or information in the field of engineering management.

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
- the [Writing Centre](#) 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

Delivery and Resources

1. Project Management – The Managerial Process (7th E), by Erik Larson, Clifford Gray, ISBN: 9781259666094, McGraw-Hill Publications
2. Engineering Project Management by Nigel J. Smith, ISBN-13: 978-1405168021

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](#)
- [Grade Appeal Policy](#)
- [Complaint Management 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 ask.mq.edu.au or if you are a Global MBA student contact globalmba.support@mq.edu.au

Student Support

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

Learning Skills

Learning Skills (mq.edu.au/learningskills) provides academic writing resources and study strategies to help you improve your marks and take control of your study.

- [Getting help with your assignment](#)
- [Workshops](#)
- [StudyWise](#)
- [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

Students with a disability are encouraged to contact the [Disability Service](#) who can provide appropriate help with any issues that arise during their studies.

Student Enquiries

For all student enquiries, visit Student Connect at ask.mq.edu.au

If you are a Global MBA student contact globalmba.support@mq.edu.au

IT Help

For help with University computer systems and technology, visit http://www.mq.edu.au/about_us/offices_and_units/information_technology/help/.

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.