



COMP3780

Technology Management

Session 1, In person-scheduled-weekday, North Ryde 2023

School of Computing

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General Information

Unit convenor and teaching staff

Convenor, Lecturer

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4 RPD 356

TBD

Lecturer

Dr. Peter Busch

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4 RPD 284

TBD

Credit points

10

Prerequisites

130cp at 1000 level or above

Corequisites

Co-badged status

Unit description

This unit provides insights into five broad aspects of management systems: environment of management; organisations and their behaviour; management of human resources; project management and control; contracts; assessment; control and quality management; training; documentation and industrial relations legal issues; and management responsibility. From a practical perspective the unit involves examining new venture start-ups with high-tech industrial and commercial domains, with students working in groups on a business plan. The unit is aimed at students with a background that is typically technical although this is not essential.

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: Demonstrate leadership skills to co-ordinate a team of people to deliver a useful and valuable product or service or launch a new business venture.

ULO2: Demonstrate an understanding of individual personalities and communication styles and how this impacts interpersonal interactions and team motivation and performance.

ULO3: Both provide and accept critical analysis and constructive criticism for continuous improvement in deliverables and demonstrate social learning and problem based learning skills.

ULO4: Apply the different elements that are needed to successfully build and operate an effective team, organisation and business e.g. marketing, operations, financials and control.

General Assessment Information

Late Assessment Submission Penalty:

Unless a Special Consideration request has been submitted and approved, a 5% penalty (of the total possible mark of the task) will be applied for each day a written report or presentation assessment is not submitted, up until the 7th day (including weekends). After the 7th day, a grade of '0' will be awarded even if the assessment is submitted. The submission time for all uploaded assessments is **11:55 pm**. A 1-hour grace period will be provided to students who experience a technical concern.

For any late submission of time-sensitive tasks, such as scheduled tests/exams, performance assessments/presentations, and/or scheduled practical assessments/labs, please apply for [Special Consideration](#).

Assessments where Late Submissions will be accepted:

- Assignments 1 and 2 - YES, Standard Late Penalty applies
- Quizzes 1, 2, 3 and 4 - NO, unless Special Consideration is granted

Assessment Tasks

Name	Weighting	Hurdle	Due
Quiz 1	5%	No	Week 4
Quiz 2	5%	No	Week 7
Quiz 3	5%	No	Week 10
Quiz 4	5%	No	Week 13

Name	Weighting	Hurdle	Due
Assignment 1	20%	No	Week 6
Assignment 2	20%	No	Week 11
Final exam	40%	No	Exam Week

Quiz 1

Assessment Type ¹: Quiz/Test

Indicative Time on Task ²: 5 hours

Due: **Week 4**

Weighting: **5%**

Based on chapters 3, 4, 5 and 6 of the textbook.

On successful completion you will be able to:

- Demonstrate leadership skills to co-ordinate a team of people to deliver a useful and valuable product or service or launch a new business venture.
- Demonstrate an understanding of individual personalities and communication styles and how this impacts interpersonal interactions and team motivation and performance.
- Both provide and accept critical analysis and constructive criticism for continuous improvement in deliverables and demonstrate social learning and problem based learning skills.
- Apply the different elements that are needed to successfully build and operate an effective team, organisation and business e.g. marketing, operations, financials and control.

Quiz 2

Assessment Type ¹: Quiz/Test

Indicative Time on Task ²: 5 hours

Due: **Week 7**

Weighting: **5%**

Based on chapters 7, 8, 9, 10 of the textbook.

On successful completion you will be able to:

- Demonstrate leadership skills to co-ordinate a team of people to deliver a useful and valuable product or service or launch a new business venture.
- Demonstrate an understanding of individual personalities and communication styles and how this impacts interpersonal interactions and team motivation and performance.
- Both provide and accept critical analysis and constructive criticism for continuous improvement in deliverables and demonstrate social learning and problem based learning skills.
- Apply the different elements that are needed to successfully build and operate an effective team, organisation and business e.g. marketing, operations, financials and control.

Quiz 3

Assessment Type ¹: Quiz/Test

Indicative Time on Task ²: 5 hours

Due: **Week 10**

Weighting: **5%**

Based on chapters 11, 12, 13 and 14 of the textbook.

On successful completion you will be able to:

- Demonstrate leadership skills to co-ordinate a team of people to deliver a useful and valuable product or service or launch a new business venture.
- Demonstrate an understanding of individual personalities and communication styles and how this impacts interpersonal interactions and team motivation and performance.
- Both provide and accept critical analysis and constructive criticism for continuous improvement in deliverables and demonstrate social learning and problem based learning skills.
- Apply the different elements that are needed to successfully build and operate an effective team, organisation and business e.g. marketing, operations, financials and control.

Quiz 4

Assessment Type ¹: Quiz/Test

Indicative Time on Task ²: 5 hours

Due: **Week 13**

Weighting: **5%**

Based on chapters 15, 16, 17 and 18 of the textbook.

On successful completion you will be able to:

- Demonstrate leadership skills to co-ordinate a team of people to deliver a useful and valuable product or service or launch a new business venture.
- Demonstrate an understanding of individual personalities and communication styles and how this impacts interpersonal interactions and team motivation and performance.
- Both provide and accept critical analysis and constructive criticism for continuous improvement in deliverables and demonstrate social learning and problem based learning skills.
- Apply the different elements that are needed to successfully build and operate an effective team, organisation and business e.g. marketing, operations, financials and control.

Assignment 1

Assessment Type ¹: Case study/analysis

Indicative Time on Task ²: 20 hours

Due: **Week 6**

Weighting: **20%**

Using Internet based reference sources, analyse the current market position of a given major technology company. Apply the principles from the textbook to answer a series of questions on management styles and organisational culture, current strategic issues facing an organisation and the prognosis for the future.

On successful completion you will be able to:

- Demonstrate leadership skills to co-ordinate a team of people to deliver a useful and valuable product or service or launch a new business venture.
- Demonstrate an understanding of individual personalities and communication styles and how this impacts interpersonal interactions and team motivation and performance.
- Both provide and accept critical analysis and constructive criticism for continuous improvement in deliverables and demonstrate social learning and problem based

learning skills.

- Apply the different elements that are needed to successfully build and operate an effective team, organisation and business e.g. marketing, operations, financials and control.

Assignment 2

Assessment Type ¹: Project

Indicative Time on Task ²: 20 hours

Due: **Week 11**

Weighting: **20%**

A group of FOUR students will select a new product, service or business venture as the basis for a comprehensive business plan, covering market analysis, the product or service offering, marketing plan, operations plan, financial plan, risk management and recommendations. The overall mark is moderated by Peer Review feedback.

On successful completion you will be able to:

- Demonstrate leadership skills to co-ordinate a team of people to deliver a useful and valuable product or service or launch a new business venture.
- Demonstrate an understanding of individual personalities and communication styles and how this impacts interpersonal interactions and team motivation and performance.
- Both provide and accept critical analysis and constructive criticism for continuous improvement in deliverables and demonstrate social learning and problem based learning skills.
- Apply the different elements that are needed to successfully build and operate an effective team, organisation and business e.g. marketing, operations, financials and control.

Final exam

Assessment Type ¹: Examination

Indicative Time on Task ²: 25 hours

Due: **Exam Week**

Weighting: **40%**

A series of short answer questions representing most chapters of the textbook and the related workshops, to be completed in a closed book exam over 3 hours.

On successful completion you will be able to:

- Demonstrate leadership skills to co-ordinate a team of people to deliver a useful and valuable product or service or launch a new business venture.
- Demonstrate an understanding of individual personalities and communication styles and how this impacts interpersonal interactions and team motivation and performance.
- Both provide and accept critical analysis and constructive criticism for continuous improvement in deliverables and demonstrate social learning and problem based learning skills.
- Apply the different elements that are needed to successfully build and operate an effective team, organisation and business e.g. marketing, operations, financials and control.

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

Each week you should attend 2 hours of lectures and 1 hour of SGTA. There is no SGTA in week one. For details of days, times and rooms consult the [timetables webpage](#).

Mandatory text: Robbins, S., Bergman, R., Coulter, M., (2017) [Management](#) 8th. ed. Pearson Australia.

Do not buy earlier editions as the quiz questions in particular will directly relate only to the 8th edition.

All lecture slides will be available from [iLearn](#). Audio from the lectures will be available via the Echo360 system with links from the unit's iLearn home page.

All assignments are accessed from [iLearn](#) and submitted through iLearn.

Assignments 1 and 2 are Turnitin assignments, submitted through iLearn, but sent to Turnitin for plagiarism checking. Students should allow up to 24 hours to receive Turnitin feedback reports.

Website and access to unit material:

The web page and content for this unit can be found at iLearn: <https://ilearn.mq.edu.au/login/MQ/>. Note that the unit content is not publicly available and requires for you to log in to access.

Method of communication:

We will communicate with you via your university email or through announcements on iLearn. Queries to teaching staff can either be placed on the iLearn discussion board or sent to their university email address from your university email address.

COVID Information:

For the latest information on the University's response to COVID-19, please refer to the Coronavirus infection page on the Macquarie website: <https://www.mq.edu.au/about/coronavirus-faqs>. Remember to check this page regularly in case the information and requirements change during semester. If there are any changes to this unit in relation to COVID, these will be communicated via iLearn.

Unit Schedule

The weekly schedule below is tentative. Efforts will be made to adhere to the schedule; however, we reserve the right to update it as appropriate.

Week	Day and Date	Lecture	Tutorial	Assessments
1 - Shan	Wed 22/2	Unit Outline Chapters 1&2	No SGTA	
2 - Shan	Wed 1/3	Chapters 3 and 4	Managing McDonald's Australia, pp 31-32	
3 - Shan	Wed 8/3	Chapters 5 and 6	Culture of the ADF, pp 100-101	
4 - Shan	Wed 15/3	Chapters 7 and 8	A wakeup call to global clothing brands, pp 177-178	Quiz 1 closes
5 - Shan	Wed 22/3	Chapter 9	Workplace stress can kill, pp 246-247	
6 - Shan	Wed 29/3	Chapter 10	Netflix and SVOD pp309-310	Assg 1 due
7 - Peter	Wed 5/4	Writing a Business Plan	Group Assignment Topics	Quiz 2 closes
Mid Semester Break 10-21th April				
8 - Peter	Wed 26/4	Chapters 11 and 12	Starbucks Controls, p348	
9 - Peter	Wed 3/5	Chapters 13 and 14	Teamwork at Lonely Planet, p455	
10 - Peter	Wed 10/5	Chapters 15 and 16	Delivery disaster at Domino's Pizza, p577	Quiz 3 closes
11 - Peter	Wed 17/5	Chapters 17 and 18	Radical leadership, p649	Assg 2 due
12 - Peter	Wed 24/5	Revision - Peter's materia	Assignment Review	

13 - Shan	Wed 31/5	Revision - Shan's materia	No SGTA	Quiz 4 closes
Exam	5-23th June	Check online for details	All unit material covered in lectures and SGTA classes	

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 ask.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/>

The Writing Centre

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

- [Workshops](#)
- [Chat with a WriteWISE peer writing leader](#)
- [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 [AskMQ](#), or contact [Service Connect](#).

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.

Standards

Four standards, namely HD, D, CR, P summarize as many different levels of achievement. Each standard is precisely defined to help students know what kind of performance is expected to deserve a certain mark. The standards corresponding to the learning outcomes of this unit are given below.

L.O. 1	Pass	Credit	Distinction	High Distinction
Leadership	Can reproduce some definitions and ideas, show some breadth of understanding of new business leadership	Show breadth of understanding across most of the unit material relating to a new business venture	Apply terminology and ideas in some new contexts, show breadth of understanding across most of the new business unit material	Apply terminology and ideas in new contexts, show breadth of understanding of all the new business unit material and external references
L.O. 2	Pass	Credit	Distinction	High Distinction
People Skills	Can reproduce some definitions and ideas, show some breadth of understanding of individual and team motivation	Show breadth of understanding across most of the unit material relating to individual and team motivation	Apply terminology and ideas in some new contexts, show breadth of understanding across most of the people management unit material	Apply terminology and ideas in new contexts, show breadth of understanding of all people management unit material and external references
L.O. 3	Pass	Credit	Distinction	High Distinction
Critical Analysis	Able to provide and accept critical analysis and demonstrate some social learning skills related to some unit material	Able to provide and accept well considered critical analysis and demonstrate social learning skills related to most of the unit material	Able to provide and accept well considered critical analysis and demonstrate refined social and problem learning skills related to all the unit material	Able to provide and accept well considered critical analysis and demonstrate refined social and problem learning skills related to all the unit material and additional outside reference material

L.O. 4	Pass	Credit	Distinction	High Distinction
Business Understanding	Understands the basic idea of how to build a successful business including some of the elements of marketing, operations, financials and control.	Understands more than the basic superficial ideas of how to build a successful business including most of the elements of marketing, operations, financials and control.	Exemplifies a knowledge of the key concepts of how to build a successful business including all of the elements of marketing, operations, financials and control.	Has a complete command of the subject matter on a deeper level on how to build a successful business including all of the elements of marketing, operations, financials control and risk management.

Changes since First Published

Date	Description
21/02/2023	correct an error by changing "Wed 29/2" to Wed "1/3"