



ENMM20024 Asset Management Systems

Term 1 - 2018

Profile information current as at 13/12/2025 03:55 pm

All details in this unit profile for ENMM20024 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

This unit provides an introduction to asset management concepts and systems. The assets referred to are physical assets such as fixed and mobile plant, machinery and infrastructure used in asset intensive industries. Students will learn how organizations manage their assets and asset systems and provide examples of financial concepts and techniques used in asset management. They will identify asset management functions and develop a life cycle plan for an asset in an organisation as well as apply financial principles in an asset management context. The unit also considers key risks associated with assets.

Details

Career Level: *Postgraduate*

Unit Level: *Level 8*

Credit Points: 6

Student Contribution Band: 8

Fraction of Full-Time Student Load: 0.125

Pre-requisites or Co-requisites

Prerequisite: ENMM20023 Introduction to Asset and Maintenance Management

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 - 2018

- Distance

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

1. **Written Assessment**

Weighting: 30%

2. **Written Assessment**

Weighting: 60%

3. **Presentation**

Weighting: 10%

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 Student feedback

Feedback

relevance to industries

Recommendation

Students found this unit relevant to their workplace. More case studies will be used to keep this feature intact.

Unit Learning Outcomes

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

1. Identify asset management functions and develop a life cycle plan for an asset in an organisation.
2. Provide examples of financial concepts and techniques used in asset management.
3. Apply financial principles in an asset management context.
4. Discuss the key risks associated with assets.
5. Reflect on self-performance within your organisation and identify ways in which you can develop your leadership skills.

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Alignment of Learning Outcomes, Assessment and Graduate Attributes



Alignment of Assessment Tasks to Learning Outcomes

Assessment Tasks	Learning Outcomes				
	1	2	3	4	5
1 - Written Assessment - 30%	•	•	•	•	
2 - Written Assessment - 60%		•	•	•	•
3 - Presentation - 10%				•	

Alignment of Graduate Attributes to Learning Outcomes

Graduate Attributes	Learning Outcomes				
	1	2	3	4	5
1 - Knowledge	◦	◦	◦	◦	
2 - Communication		◦	◦	◦	

Graduate Attributes	Learning Outcomes				
	1	2	3	4	5
3 - Cognitive, technical and creative skills	○		○	○	
4 - Research	○		○	○	
5 - Self-management		○	○	○	○
6 - Ethical and Professional Responsibility		○		○	○
7 - Leadership		○		○	○
8 - Aboriginal and Torres Strait Islander Cultures					

Alignment of Assessment Tasks to Graduate Attributes

Assessment Tasks	Graduate Attributes							
	1	2	3	4	5	6	7	8
1 - Written Assessment - 30%	○	○	○	○				
2 - Written Assessment - 60%	○	○	○	○	○	○	○	
3 - Presentation - 10%		○			○		○	

Textbooks and Resources

Textbooks

ENMM20024

Prescribed

Physical Asset Management : With an Introduction to ISO55000: 2015

Edition: 2nd Revised (2015)

Authors: Anthony , Nicholas & Hastings , John

Springer International Publishing AG

Cham , Switzerland

ISBN: 9783319147765

Binding: Hardcover

Additional Textbook Information

There are two electronic copies available in the CQU Library.

[View textbooks at the CQUniversity Bookshop](#)

IT Resources

You will need access to the following IT resources:

- CQUniversity Student Email
- Internet
- Unit Website (Moodle)
- ebook-Physical Asset Management 2015: With an Introduction to ISO55000 , Author: Nicholas Anthony Jhon Hastings
- Learning guide in the form of a Moodle book uploaded on the moodle web page
- Online lecture sessions via Zoom

Referencing Style

All submissions for this unit must use the referencing style: [Harvard \(author-date\)](#)

For further information, see the Assessment Tasks.

Teaching Contacts

Subhash Sharma Unit Coordinator

s.sharma2@cqu.edu.au

Schedule

Week 1 - 05 Mar 2018

Module/Topic	Chapter	Events and Submissions/Topic
Module 1- Introduction to Asset Management	Study all chapters and practice Self Assessment 1	Online Zoom lecture sessions will be announced by the lecturer via Moodle web page of this unit.

Week 2 - 12 Mar 2018

Module/Topic	Chapter	Events and Submissions/Topic
Module 1- Introduction to Asset Management	Study all chapters, practice Self Assessment Quiz 2 and work on Assignment 1	Discussion forum activities

Week 3 - 19 Mar 2018

Module/Topic	Chapter	Events and Submissions/Topic
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Module 2- Asset Capability Delivery	Study all chapters and practice Self Assessment Quiz 1, keep working on Assignment 1
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Week 4 - 26 Mar 2018

Module/Topic	Chapter	Events and Submissions/Topic
Module 2- Asset Capability Delivery	Study all chapters and practice Self Assessment Quiz 2, Work on Assignment 1.	Discussion forum activities

Week 5 - 02 Apr 2018

Module/Topic	Chapter	Events and Submissions/Topic
Module 3- Financial Methods	Study all chapters and practice Self Assessment Quiz 1, start planning Assignment 2. the assignment is due on Friday.	Assessment 1-Written assessment Due: Week 5 Friday (6 Apr 2018) 11:45 pm AEST

Vacation Week - 09 Apr 2018

Module/Topic	Chapter	Events and Submissions/Topic
Vacation week		

Week 6 - 16 Apr 2018

Module/Topic	Chapter	Events and Submissions/Topic
Module 3- Financial Methods	Study all chapters including case study and practice Self Assessment Quiz 2, Submit Assignment 1 on Friday this week.	discussion forum activities

Week 7 - 23 Apr 2018

Module/Topic	Chapter	Events and Submissions/Topic
Module 4- Asset Budgeting CAPEX and OPEX	Study all chapters and practice Self assessment Quiz 1 and start working on Assignment 2	

Week 8 - 30 Apr 2018

Module/Topic	Chapter	Events and Submissions/Topic
Module 4- Asset Budgeting CAPEX and OPEX	Study all chapters and practise Self Assessment Quiz 2, Keep working on Assignment 2	Discussion forum activities

Week 9 - 07 May 2018

Module/Topic	Chapter	Events and Submissions/Topic
Module 5- Risk Analysis and Risk Management	Study all chapters and practise Self Assessment Quiz 1, Analyse data and keep working on Assignment 2	

Week 10 - 14 May 2018

Module/Topic	Chapter	Events and Submissions/Topic
Module 5- Risk Analysis and Risk Management	Study all chapters and practise Self Assessment Quiz 2, Practise the asset information exercise in the Learning Guide and collect similar data from your company, keep working on Assignment 2	Assignment 2- Written and Presentation Due: Week 10 Friday (18 May 2018) 11:45 pm AEST

Week 11 - 21 May 2018

Module/Topic	Chapter	Events and Submissions/Topic
Module 6- Support Systems	Study all chapters, practice Self Assessment Quiz 1 & 2 and Finalise Assignment 2 for submission Monday week 12.	Discussion forum activities

Week 12 - 28 May 2018

Module/Topic	Chapter	Events and Submissions/Topic
Module 6- Support Systems	Review chapters, submit assignment this Friday at 6.00pm and Power Point slides from the assignment before midnight.	Assignment 3- Question-Answer Due: Week 12 Friday (1 June 2018) 11:45 pm AEST

Review/Exam Week - 04 Jun 2018

Module/Topic	Chapter	Events and Submissions/Topic
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Exam Week - 11 Jun 2018

Module/Topic	Chapter	Events and Submissions/Topic
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Assessment Tasks

1 Assessment 1-Written assessment

Assessment Type

Written Assessment

Task Description

Please read Module 1 of your Learning Guide thoroughly prior to attempting this assignment. The assignment is based on information gathered from your industry through reports or interviews. Resources beyond the Learning Guide will also be required for this assignment. Choose your problem in such a way that it is used for your Assignment 2 also which is a mini-project. If the information is of a confidential nature the data could be scaled or given as an schematic, the responsibility lies with the student.

The objective of this assignment is to:

- identify and briefly outline a project for a potential asset based development or improvement related to your workplace,
- identify existing procedures and/or documentation within your organisation relating to decisions regarding asset acquisitions or developments, including financial or business case requirements and logistic support aspects.

Further information will be available on the unit Moodle website.

Assessment Due Date

Week 5 Friday (6 Apr 2018) 11:45 pm AEST

Return Date to Students

Week 7 Friday (27 Apr 2018)

Weighting

30%

Assessment Criteria

The assessment criteria for this assignment are as follows:

- Clarity of problem definition
- Understanding conveyed by the proposed methods of progressing the project
- Ability to locate and summarise relevant documentation and procedures
- Provide overall clarity of expression, correct grammar, spelling and punctuation

A word count limit applies for this assignment and is subjected to a penalty if exceeded. For other information such as, marking criteria, assignment question and the marking scheme for each question please visit the moodle web page of this unit.

Referencing Style

- [Harvard \(author-date\)](#)

Submission

Online

Submission Instructions

The required standard file name format, Example -John_Smith_ENMM20018_Ass3.doc

Learning Outcomes Assessed

- Identify asset management functions and develop a life cycle plan for an asset in an organisation.
- Provide examples of financial concepts and techniques used in asset management.
- Apply financial principles in an asset management context.
- Discuss the key risks associated with assets.

Graduate Attributes

- Knowledge
- Communication
- Cognitive, technical and creative skills
- Research

2 Assignment 2- Written and Presentation

Assessment Type

Written Assessment

Task Description

Please read all the modules of your Learning Guide thoroughly prior to attempting this assignment. It will require data/information from your own organisation and you may have to refer resources beyond the Learning Guide. The assignment must be written in a report form; structure, formatting, language and referencing are important. If the information used is of confidential nature the data could be scaled or given as an schematic, total responsibility lies with the student.

The objective of this assignment is to develop your ability to create and present a business case for an asset management development in your organisation, or a similar setting. This assignment concentrates on the justification for the project in financial and/or cost-benefit terms, or other compelling reasons e.g. regulatory requirements.

Word count applies for this assignment and is subjected to penalty. Further details are available on the Moodle Website of this unit.

Assessment Due Date

Week 10 Friday (18 May 2018) 11:45 pm AEST

Return Date to Students

Exam Week Monday (11 June 2018)

Assignment marks of this assignment will be posted after the moderation meeting.

Weighting

60%

Assessment Criteria

The assessment criteria for this assignment are as follows:

- Demonstrate technical knowledge and/or use of sources and data sufficient to meet the project requirements
- Demonstrate relevant business and financial knowledge and analytical ability
- Demonstrate logic in deriving results, including explaining assumptions, limitations and possible issues or risks
- Provide overall clarity of expression, correct grammar, spelling and punctuation

A word count limit applies for this assignment and is subject to a penalty if exceeded. For further information such as, assignment question and the marking scheme for each question please visit the moodle Website of this unit.

Referencing Style

- [Harvard \(author-date\)](#)

Submission

Online

Submission Instructions

Use standard file name format, Example -John_Smith_ENMM20018_Ass2.doc

Learning Outcomes Assessed

- Provide examples of financial concepts and techniques used in asset management.
- Apply financial principles in an asset management context.
- Discuss the key risks associated with assets.

- Reflect on self-performance within your organisation and identify ways in which you can develop your leadership skills.

Graduate Attributes

- Knowledge
- Communication
- Cognitive, technical and creative skills
- Research
- Self-management
- Ethical and Professional Responsibility
- Leadership

3 Assignment 3- Question-Answer

Assessment Type

Presentation

Task Description

This assignment is aimed at assessing the overall understanding of Asset Management topics and ISO55000. Students are required to read the course notes and present responses to the questions asked in this assignment. Students' responses should reflect their own interpretation and workplace experience, as well as learning through commentary given by experts in articles and books including the recommended text book of this unit.

Assessment Due Date

Week 12 Friday (1 June 2018) 11:45 pm AEST

Return Date to Students

Exam Week Thursday (14 June 2018)

Marks awarded for this assignment could be subjected to moderation processes.

Weighting

10%

Assessment Criteria

The following assessment criteria will be applied:

- Answers should be short and to the point.
- The response should reflect the accuracy of information contained in the answer.
- Students own interpretation should reflect his/her own workplace experience.
- Answers need not be cut and paste from the standards or notes
- For further information please visit the Moodle Website.

Referencing Style

- [Harvard \(author-date\)](#)

Submission

Online

Submission Instructions

Use standard file name format, Example -Smith_J_ENMM20024_Ass3.doc

Learning Outcomes Assessed

- Discuss the key risks associated with assets.

Graduate Attributes

- Communication
- Self-management
- Leadership

Academic Integrity Statement

As a CQUniversity student you are expected to act honestly in all aspects of your academic work.

Any assessable work undertaken or submitted for review or assessment must be your own work. Assessable work is any type of work you do to meet the assessment requirements in the unit, including draft work submitted for review and feedback and final work to be assessed.

When you use the ideas, words or data of others in your assessment, you must thoroughly and clearly acknowledge the source of this information by using the correct referencing style for your unit. Using others' work without proper acknowledgement may be considered a form of intellectual dishonesty.

Participating honestly, respectfully, responsibly, and fairly in your university study ensures the CQUniversity qualification you earn will be valued as a true indication of your individual academic achievement and will continue to receive the respect and recognition it deserves.

As a student, you are responsible for reading and following CQUniversity's policies, including the [Student Academic Integrity Policy and Procedure](#). This policy sets out CQUniversity's expectations of you to act with integrity, examples of academic integrity breaches to avoid, the processes used to address alleged breaches of academic integrity, and potential penalties.

What is a breach of academic integrity?

A breach of academic integrity includes but is not limited to plagiarism, self-plagiarism, collusion, cheating, contract cheating, and academic misconduct. The Student Academic Integrity Policy and Procedure defines what these terms mean and gives examples.

Why is academic integrity important?

A breach of academic integrity may result in one or more penalties, including suspension or even expulsion from the University. It can also have negative implications for student visas and future enrolment at CQUniversity or elsewhere. Students who engage in contract cheating also risk being blackmailed by contract cheating services.

Where can I get assistance?

For academic advice and guidance, the [Academic Learning Centre \(ALC\)](#) can support you in becoming confident in completing assessments with integrity and of high standard.

What can you do to act with integrity?



Be Honest

If your assessment task is done by someone else, it would be dishonest of you to claim it as your own



Seek Help

If you are not sure about how to cite or reference in essays, reports etc, then seek help from your lecturer, the library or the Academic Learning Centre (ALC)



Produce Original Work

Originality comes from your ability to read widely, think critically, and apply your gained knowledge to address a question or problem