

In Progress

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



ENMM20031 Condition Monitoring and Tribology

Term 1 - 2025

Profile information current as at 05/09/2024 01:43 pm

All details in this unit profile for ENMM20031 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 course is centred around studying tribological principles, which provide a foundation for understanding a machine's friction, wear, and lubrication characteristics. By acquiring knowledge in tribology, you will be equipped to identify the root causes of failures and utilize appropriate condition-monitoring techniques to predict and minimize future failures. The course will provide you with the necessary knowledge and skills to implement condition monitoring as a maintenance strategy. With exposure to a diverse range of techniques, including sensory and functional inspections, vibration monitoring, infrared thermography, oil analysis, stress and strain analysis, non-destructive testing and inspection, electrical equipment, and general performance monitoring, you will be well-equipped to select the most suitable condition monitoring technique for any given scenario.

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

Prerequisites: ENMM20023 & ENMM20025

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 - 2025

- Online

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

Information for Class and Assessment Overview has not been released yet.

This information will be available on Monday 13 January 2025

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 Classroom conversation

Feedback

Students reported theory taught in the class is directly applicable at their workplace.

Recommendation

The contents will be retained and where possible changes will be made to meet the industry requirements.

Feedback from Class conversation and also via phone.

Feedback

Class timings are not suitable.

Recommendation

Choosing a time that accommodates the entire class can pose challenges. Nevertheless, minor adjustments can be considered with the consensus of the majority. All lectures and tutorials are recorded, and accessible on Moodle for students unable to attend in person.

Feedback from Teaching evaluation

Feedback

Assessment requirements need to be clearer.

Recommendation

Marking rubrics will be revised with clearer requirements.

Unit Learning Outcomes

Information for Unit Learning Outcomes has not been released yet.

This information will be available on Monday 13 January 2025

Alignment of Learning Outcomes, Assessment and Graduate Attributes

Information for Alignment of Learning Outcomes, Assessment and Graduate Attributes has not been released yet.

This information will be available on Monday 13 January 2025

Textbooks and Resources

Information for Textbooks and Resources has not been released yet.

This information will be available on Monday 17 February 2025

Academic Integrity Statement

Information for Academic Integrity Statement has not been released yet.

This unit profile has not yet been finalised.