

In Progress

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



ENEM13014 *Thermodynamics*

Term 2 - 2024

Profile information current as at 29/04/2024 03:32 pm

All details in this unit profile for ENEM13014 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

The unit will introduce the laws of thermodynamics, energy, work, and heat transfer in liquids and gasses. You will learn how to analyse and solve problems on heat engines, refrigeration, heat pumps as well as Rankine and Brayton cycles. You will develop the capacity to work, learn, and communicate ethically and professionally, as individuals and in teams, to investigate, solve problems, prepare technical and laboratory reports, and evaluate uncertainties and the results of your work. In this unit, you must complete compulsory practical activities. Refer to the Engineering Undergraduate Course Moodle site for proposed dates.

Details

Career Level: *Undergraduate*

Unit Level: *Level 3*

Credit Points: 6

Student Contribution Band: 8

Fraction of Full-Time Student Load: 0.125

Pre-requisites or Co-requisites

Prerequisites: MATH11218 Applied Mathematics and ENEG11009 Fundamentals of Energy & Electricity.

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 2 - 2024

- Bundaberg
- Cairns
- Gladstone
- Mackay
- Mixed Mode
- Rockhampton

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).

Residential Schools

This unit has a Compulsory Residential School for distance mode students and the details are:

Click here to see your [Residential School Timetable](#).

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 May 2024

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 evaluation

Feedback

Tutorial/example questions should be done from start to finish instead of explaining the concept only.

Recommendation

More time will be taken to go through the start to finish of tutorial/example questions and clear explanations will be provided in the coming years.

Feedback from Student evaluation.

Feedback

There were some issues with understanding the goal of some questions, though it is non-critical.

Recommendation

Some more background information will be provided to make the students understand the goal of the questions.

Feedback from Student evaluation

Feedback

Unit Coordinator's understanding and delivery of the content made this unit enjoyable and engaging.

Recommendation

A similar or improved standard will be maintained in the coming years.

Feedback from Student evaluation.

Feedback

The exam was difficult and needed more time/ resources.

Recommendation

The exam was open book. These comments will be taken into consideration in the coming years during setting up the question paper.

Unit Learning Outcomes

Information for Unit Learning Outcomes has not been released yet.

This information will be available on Monday 13 May 2024

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 May 2024

Textbooks and Resources

Information for Textbooks and Resources has not been released yet.

This information will be available on Monday 17 June 2024

Academic Integrity Statement

Information for Academic Integrity Statement has not been released yet.

This unit profile has not yet been finalised.