In Progress

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

ENEE13019 *Control Systems Analysis and Design*

Term 2 - 2023

Profile information current as at 26/03/2023 09:59 pm

All details in this unit profile for ENEE13019 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

In this unit, you will work in teams to model, analyse, and investigate design options for analogue and digital control systems. You will articulate typical control systems building blocks and select appropriate components and interfaces for specific applications. In addition, you will develop mathematical models to analyse the behaviour of selected dynamic systems and design controllers for these systems. You will apply MATLAB/SIMULINK or equivalent software to analyse and simulate the control systems. Also, 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: (ENEE13020 Digital Electronics or ENEX12002 Introductory Electronics) and ENEE12016 Signals and Systems.
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 - 2023

- 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 15 May 2023

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 Unit survey

Feedback
Students appreciated the well structured Moodle site and the course.

Recommendation
Continue this good practice.

Feedback from Unit survey

Feedback
Students appreciated the well explained lectures and tutorials.

Recommendation
Continue this good practice.

Feedback from Unit survey

Feedback
Students wanted all labs to be conducted physically without having to do them remotely.

Recommendation
Build multiple modules for the newly developed DC motor lab to be able to conduct the labs physically on all campuses.

Feedback from Unit survey

Feedback
Students expect more explanations on certain unit content.

Recommendation
Add more videos explaining more complicated unit content.

Unit Learning Outcomes

Information for Unit Learning Outcomes has not been released yet.

This information will be available on Monday 15 May 2023

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 15 May 2023

Textbooks and Resources

Information for Textbooks and Resources has not been released yet.

This information will be available on Monday 15 May 2023

Academic Integrity Statement

Information for Academic Integrity Statement has not been released yet.

This unit profile has not yet been finalised.