EE6680: DISSERTATION

Effective Term
Semester A 2025/26

Part I Course Overview

Course Title
Dissertation

Subject Code
EE - Electrical Engineering
Course Number
6680

Academic Unit
Electrical Engineering (EE)

College/School
College of Engineering (EG)

Course Duration
Non-standard Duration

Other Course Duration
Part-time mode(EE6680): minimum 3 consecutive semesters/terms, maximum 5 consecutive semesters/terms
Full-time mode(EE6680D): minimum 2 consecutive semesters/terms, maximum 4 consecutive semesters/terms

This is a dissertation-type course as defined in City University’ s Academic Regulations (AR 12.6). The maximum duration of the course is 5 consecutive semesters/terms for Part-time mode and 4 consecutive semesters/terms for Full-time mode, after which no further extension can be permitted. As set out in City University’ s Academic Regulations, Dissertation-type courses are not allowed to repeat.

Credit Units
0-9

Level
P5, P6 - Postgraduate Degree

Medium of Instruction
English

Medium of Assessment
English

Prerequisites
12 Credit Units of MSc elective courses and CGPA 2.5 or above; or equivalent

Precursors
Nil

Equivalent Courses
Nil

Exclusive Courses

EE6691 Applied Research Internship Scheme in Electronic Engineering, EE6611 Directed Studies for Taught Postgraduate Students

Part II Course Details

Abstract

The aim of the dissertation is to provide students with an opportunity to integrate and apply what has been learnt in the taught courses to complete a research project to develop their initiative, interests, and individual thinking via discovery learning. After the completion of the dissertation, the students should have a deeper understanding on the research area.

Course Intended Learning Outcomes (CILOs)

	CILOs	Weighting (if app.)	DEC-A1	DEC-A2	DEC-A3
1	Organize and manage a substantial individual research project.		x	x	
2	Demonstrate the ability to work independently with professionalism in successfully completing project assignments.		x	x	
3	Demonstrate initiative, innovative and intellectual abilities in handling a technically challenging research project.		x	x	x
4	Disseminate results of what they leant in the course both in a formal report and an oral presentation.		x	x	x

A1: Attitude
Develop an attitude of discovery/innovation/creativity, as demonstrated by students possessing a strong sense of curiosity, asking questions actively, challenging assumptions or engaging in inquiry together with teachers.

A2: Ability
Develop the ability/skill needed to discover/innovate/create, as demonstrated by students possessing critical thinking skills to assess ideas, acquiring research skills, synthesizing knowledge across disciplines or applying academic knowledge to real-life problems.

A3: Accomplishments
Demonstrate accomplishment of discovery/innovation/creativity through producing /constructing creative works/new artefacts, effective solutions to real-life problems or new processes.

Learning and Teaching Activities (LTAs)

	LTAs	Brief Description	CILO No.	Hours/week (if applicable)
1	Research	Students will engage in research work	1, 2, 3, 4	

Additional Information for LTAs

Each student is assigned a Supervisor and also a Co-Supervisor in some projects. The supervisor(s) is/are responsible for guiding and overseeing the project work of the student on an individual basis. A student is expected to discuss with his/her supervisor at regular intervals. He/She will carry out a literature search and work on a research topic. The student may also be required to carry out software and/or hardware implementation according to the nature of the project.

Assessment Tasks / Activities (ATs)

	ATs	CILO No.	Weighting (%)	Remarks ("-" for nil entry)	Allow Use of GenAI?
1	Dissertation and oral examination	1, 2, 3, 4	100	Detailed guidelines are given for the appropriate use of GenAI tools	Yes

Continuous Assessment (%)

100

Additional Information for ATs

Remark: The assessment will be based on the oral examination and the dissertation. It will be conducted by the Supervisor and an Assessor (who may also be a Co-supervisor). The weighting is

Supervisor 70%

Assessor 30%

The assessment pattern for the course is 100% coursework. There are no formal lectures for this course. Students are required to undertake individually supervised research.

Assessment Rubrics (AR)

Assessment Task

Coursework (for students admitted before Semester A 2022/23 and in Semester A 2024/25 & thereafter)

Criterion

Achievements in CILOs

Excellent

(A+, A, A-) High

Good

(B+, B, B-) Significant

Fair

(C+, C, C-) Moderate

Marginal

(D) Basic

Failure

(F) Not even reaching marginal level

Assessment Task

Coursework (for students admitted from Semester A 2022/23 to Summer Term 2024)

Criterion

Achievements in CILOs

Excellent

(A+, A, A-) High

Good

(B+, B) Medium

Marginal

(B-, C+, C) Low

Failure

(F) Not even reaching marginal level

Additional Information for AR

Constructive Alignment with Programme Outcomes

PILO 1, 2, 3, 4, 5 The course provides students with amble opportunities in acquiring knowledge of and evaluation of new technologies in the chosen areas of project works, research on advancing the technologies and also the applications of mathematics and engineering problem solving skills.

PILO 6, 7 Students are required to complete a formal report, demonstrate and present their project works. Students will also acquire project management skills.

Part III Other Information

Keyword Syllabus

The projects will be drawn from available staff expertise.

Reading List

Compulsory Readings

	Title
1	As designated by supervisor

Additional Readings

	Title
1	The project supervisor shall recommend relevant books, publications and reference materials prior to the commencement of the project.