City University of Hong Kong
Course Syllabus

offered by Department of Electronic Engineering
with effect from Semester A in 2017/2018

Part I Course Overview

Course Title:	Directed Studies for Taught Postgraduate Students
Course Code:	EE6611
Course Duration:	One Semester (13 weeks)
Credit Units:	3
Level:	P6
Medium of Instruction:	English
Medium of Assessment:	English
Prerequisites: *(Course Code and Title)*	12 Credit Units of MSc elective courses; or equivalent
Precursors: *(Course Code and Title)*	Nil
Equivalent Courses: *(Course Code and Title)*	Nil
Exclusive Courses: *(Course Code and Title)*	EE6680 Dissertation

Part II Course Details

1. Abstract

The course aims to provide students with learning experience to broaden their vision in selected Electronic Engineering areas in research and development, and to develop their initiative, interests, and individual thinking via discovery learning. After the course, the students should have a deeper understanding on a specific area.

2. Course Intended Learning Outcomes (CILOs)

(CILOs state what the student is expected to be able to do at the end of the course according to a given standard of performance.)

No.	CILOs	Weighting (if applicable)	Discovery-enriched curriculum related learning outcomes (please tick where appropriate)		
			A1	*A2*	*A3*
1.	Organise and manage a substantial individual task in selected areas in research and development.		✓	✓	
2.	Demonstrate the ability to work independently with professionalism in successfully completing Directed Studies assignments.		✓	✓	
3.	Demonstrate initiative, innovative and intellectual abilities in handling a technically demanding work.		✓	✓	✓
4.	Disseminate results of the Directed Studies in a combination of continuous assessment and/or examination, or continuous evaluation of student's learning process and outcomes reflecting what they learnt in the course.		✓	✓	✓
		100%			

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 self-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.

3. Teaching and Learning Activities (TLAs)

(TLAs designed to facilitate students' achievement of the CILOs.)

TLA	Brief Description	CILO No.						Hours/week (if applicable)
		1	2	3	4			
Research	Research or survey work to be carried out	✓	✓	✓	✓			
Oral presentation	Preparation of topics for presentation of the course	✓	✓	✓	✓			
Test/ examination/ demonstration	Demonstration of work carried out in the direct study	✓	✓	✓	✓			

A supervisor of the Directed Studies will be assigned to each student. The supervisor(s) is/are responsible for guiding and overseeing the student on an individual basis.

Discovery Learning Experience (DLE) is an element to this course - with tasks assigned via the directed studies, and supported with regular meetings with students to assess their progress; students are feed-backed on their quality of their case studies for progression

Teaching and Learning Activities will include a mixture of lecture/tutorial/laboratory/mini-project, as an outcome of discussion with the supervisor prior to enrolling in the Directed Studies course, and approved by the Programme Leader.

4. Assessment Tasks/Activities (ATs)

(ATs are designed to assess how well the students achieve the CILOs.)

Assessment Tasks/Activities	CILO No.						Weighting	Remarks
	1	2	3	4				
Continuous Assessment: 100%								
Demonstration, presentation, report, tests	✓	✓	✓	✓			100%	
Examination: 0%								
							100%	

Remark:

A report on his/her Directed Studies has to be submitted to the Department by the student. The assessment process will take the form as assigned by the programme leader. The form may include oral presentation, examination, test, demonstration, etc. Assessment will be carried out by an assessment panel appointed by the Head of Department and comprises a chairman, an assessor and the project supervisor.

5. Assessment Rubrics

(Grading of student achievements is based on student performance in assessment tasks/activities with the following rubrics.)

Assessment Task	Criterion	Excellent (A+, A, A-)	Good (B+, B, B-)	Fair (C+, C, C-)	Marginal (D)	Failure (F)
Coursework	Achievements in CILOs	High	Significant	Moderate	Basic	Not even reaching marginal level

6. Constructive Alignment with Programme Outcomes

PILO	How the course contribute to the specific PILO(s)
1, 2, 3, 4, 5	The course provides students with amble opportunities in acquiring knowledge of and evaluation of electronic and information engineering technologies in the chosen areas of directed studies.
6, 7	Students are required to complete directed studies, demonstrate and present their outcomes. Students will also acquire mini-project management skills.

Part III Other Information (more details can be provided separately in the teaching plan)

1. Keyword Syllabus

The course is flexible, and has no specific syllabus. An academic staff member can direct student(s) to pursue a technical problem or to attend a particular workshop or course.

The directed studies will be drawn from available staff expertise, with emphasis being placed on a current trend of technologies.

2. Reading List

2.1 Compulsory Readings

(Compulsory readings can include books, book chapters, or journal/magazine articles. There are also collections of e-books, e-journals available from the CityU Library.)

1.	Designated research/topical papers in the field for Direct Study purpose.

2.2 Additional Readings

(Additional references for students to learn to expand their knowledge about the subject.)

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