City University of Hong Kong
Course Syllabus

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

Part I Course Overview

Course Title:	Advanced Topics on Computer and Information Technology
Course Code:	EE6803
Course Duration:	One Semester (13 weeks)
Credit Units:	3
Level:	P6
Medium of Instruction:	English
Medium of Assessment:	English
Prerequisites: *(Course Code and Title)*	Nil
Precursors: *(Course Code and Title)*	EE5806 Digital Image Processing and EE5809 Digital Audio Technology
Equivalent Courses: *(Course Code and Title)*	Nil
Exclusive Courses: *(Course Code and Title)*	Nil

Part II Course Details

1. Abstract

This course aims to provide students with an opportunity to study advanced engineering subjects presented by visiting scholars with expertise in the areas of Computer and Information Technologies.

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.	Recognize the latest issues in Computer and Information Technology.		✓		
2.	Demonstrate the ability to conduct survey in the current practice and future trends of Computer and Information Technology in high tech industries.				✓
3.	Identify the key issues in the current research topics in Computer and Information Technology.			✓	
4.	Identify the theory and engineering methods required for system design and implementation for various Computer and Information Applications.			✓	
		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			
Seminar	Seminar given by guest experts on the advanced topics of Computer and Information Technology	✓	✓	✓	✓			2 hrs/wk (wk 1 – wk 8)
Survey	Literature review on self-selected advanced topic on Computer and Information Technology	✓	✓	✓	✓			1 hr /wk (10 weeks)
Self-study	Conducting literature review on student selected topic in the current research or practice in Computer and Information Technology.	✓	✓	✓				1 hr/wk (9 weeks)
Presentation	Presentation on the finding of the self selected survey study.	✓	✓	✓	✓			2 hr/wk (2 week)

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%								
At least 3 assignments (survey presentation, survey report etc.)	✓	✓	✓	✓			100%	
Examination: 0%								
							100%	

Remark:

To pass the course, students are required to achieve at least 30% in the continuous assessment.

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	Be able to describe current and anticipated trends in the selected areas, and be able to evaluate and analyze new technologies in the selected areas through literature survey.
6	To apply effective communication skills in their professions through report writing and presentation.

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

1. Keyword Syllabus

The syllabus will depend on the topic offered for this course, but the following arrangements must be adhered to:
The intended syllabus will be communicated to the students before the start of the semester.

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.	Nil

2.2 Additional Readings

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

1.	Nil