

**City University of Hong Kong**

**Information on a Course  
offered by Department of Electronic Engineering  
with effect from Summer Term in 2013**

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**Part I**

Course Title:	Applied Research Internship Scheme in Electronic Engineering
Course Code:	EE6691
Course Duration:	For full-time mode student only: 2 semesters/terms with possibility to extend for 1 more semester/term, (As set out in City University's Academic Regulations, Dissertation-type courses are not allowed to be repeated.)
No. of credits:	15
Level:	P6
Medium of Instruction:	English *
Prerequisites:	Nil
Precursors:	30 Credit Units of MSc elective courses; or equivalent
Equivalent Course:	Nil
Exclusive Courses:	EE6680 Dissertation  EE6690 Internship Scheme in electronic Industry

\* Note 1 : Medium of daily interaction with research staff in the placement establishment is depending on the country of placement, however, English is the medium for assessments for both written and oral forms.

**Part II**

**Course Aims:**

The aim of the internship is to provide students with an opportunity to integrate and apply what has been learnt in the taught postgraduate, with experience through an applied research project in a research environment.

**Course Intended Learning Outcomes (CILOs):**

No.	CILOs
1.	Organise and manage an individual research project in design, applied research, or development.
2.	Demonstrate the ability to work independently with professionalism in successfully completing project assignments.

3.	Demonstrate initiative, innovative and intellectual abilities in handling a technically challenging research project/assignment.
4	Disseminate results both in written form of a technical research report and published peer reviewed papers, and in an oral presentation.

### Teaching and learning Activities (TLAs) :

*(Indicative of likely activities and tasks designed to facilitate students' achievement of the CILOs. Final details will be provided to students in their first week of attendance in this course)*

CILO No	TLAs
CILOs 1,3	Daily interaction and communication with staff in the designated establishment
CILOs 1,2, 3	Keep a training log and perform daily research activities including technical paper reading, laboratory experiments, implementation and result evaluation
CILOs 1,4	Supervisory visits/discussions to review the applied research internship with students
CILOs 1,2,3,4	Write a report and give a presentation that summarizes the learning and research outcomes during the internship training.

### Assessment Tasks/Activities

*(Indicative of likely activities and tasks designed to assess how well the students achieve the CILOs. Final details will be provided to students in their first week of attendance in this course)*

#### **Coursework:** Continuous Assessment: (100%)

The course work assessment is divided into two major components:

#### Internship Component (40%)

The assessment for the internship placement component is composed of log book, discussions/visits to obtain feedback from training establishment, presentation and demonstration in the training establishment.

#### Research Component (60%)

The assessment of research component is composed of technical research reports, published peer reviewed papers (if any), project demonstration, and final oral presentation.

The assessment of the project will be based upon the following components:

- (i) quality and content of research reports/papers
- (ii) performance in oral presentation

The assessment process will take the form of a technical report and an oral presentation together with a project demonstration, and will be carried out by an assessment panel appointed by Head of Department and comprised of a chairman, an assessor and the project supervisor. The Chairman will moderate the assessment process while the assessment panel will generate a single assessment mark for each project.

In the event of a disagreement between supervisor and assessor on the assessment mark, the chairman shall arbitrate.

Note 2: The internship placement can be either in local and overseas establishments, preferably in industrial companies or research-based laboratories attached to universities. Screening of the internship places similar to other internship schemes in the EE department will be performed in order to select qualified hosts. Each internship must have a well-defined project and schedule for the student. There are well established monitoring procedures to ensure the quality of internship. Company visits/interviews and log book checking are some of those procedures.

### Grading of Student Achievement:

Letter Grade	Grade Point	Grade Definitions
A+	4.3	Excellent in both the internship placement component and research component. The research report must be rated as top 20% among others by assessment panel
A	4.0	
A-	3.7	
B+	3.3	Good in both internship placement component and research component
B	3.0	
B-	2.7	
C+	2.3	Adequate in both internship placement component and research component
C	2.0	
C-	1.7	
D	1.0	Marginal, at least a pass grade for the research component
F	0.0	Failure in both internship placement component and research component

### 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 ample opportunities in acquiring knowledge and know how in advanced technologies in the chosen areas of applied research internship.
6, 7	Students are required to complete a technical report, and demonstrate and present their research contribution in the selected topics. Students will also acquire project management skills and develop a sense of financial viability for the applied research project.
8	Students are required to complete an industrial research project which enables them to develop the ability to do academic/industrial research

**Part III**

**Keyword Syllabus:**

Not Applicable

**Online Resources (if any)**

Nil