City University of Hong Kong
Course Syllabus

offered by Department of Systems Engineering
with effect from Semester A 2023 / 24

Part I   **Course Overview**

Course Title:	Internship Scheme in Semiconductor Industry
Course Code:	ADSE6203
Course Duration:	6-12 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)*	Nil
Equivalent Courses: *(Course Code and Title)*	Nil
Exclusive Courses: *(Course Code and Title)*	Nil

Part II   Course Details

1.   Abstract

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 real life working experience in local and overseas contexts between 6 to 12 weeks. The objective is to prepare students who wish to enter the workforce in the field of semiconductor and electronics industry.

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 an individual research project in design, applied research, or development.	25%	✓	✓	
2.	Demonstrate the ability to integrate and apply knowledge and skills developed in core and elective courses to real-world situation	25%	✓	✓	✓
3.	Identify one of the difficult problems encountered during the internship period and explore an effective way to solve the problem.	25%	✓	✓	✓
4	To be able to work as a team, under management, and independently.	25%	✓	✓	
		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. 1	2	3	4	Hours/week (if applicable)
Pre-internship training workshop	A pre-internship training workshop will be provided to get the students to well prepare themselves for the internship.	✓	✓			
Internship	Students will spend a reasonable amount of time in local and/or overseas related industry to observe, analyse and solve the problems and issues they encounter during the internship.	✓	✓	✓	✓	
Final report and presentation	To summarize the learning and research outcomes during the internship training in a form of written report and presentation.	✓	✓	✓	✓	
Feedback from Employers	Company evaluation		✓	✓	✓	

4. Assessment Tasks/Activities (ATs)
(ATs are designed to assess how well the students achieve the CILOs.)

Assessment Tasks/Activities	CILO No. 1	2	3	4	Weighting	Remarks
Continuous Assessment: __100__ %						
Final report and presentation	✓	✓	✓	✓	60%	
Feedback from Employers		✓	✓	✓	40%	
Examination: _0___ % (duration: _ , if applicable)						
					100%	

5. **Assessment Rubrics**

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

Applicable to students admitted in Semester A 2022/23 and thereafter

Assessment Task	Criterion	Excellent (A+, A, A-)	Good (B+, B)	Marginal (B-, C+, C)	Failure (F)
1. Final report and presentation	1. Ability to identify the problem and explore an effective way to solve it. 2. Ability to solidify the internship experience and develop a set of career goals and plans.	High	Significant	Moderate/Basic	Not even reaching marginal levels
2. Feedback from Employers	1. Demonstrate teamwork and self-initiative ability to successfully complete internship assignments. 2. Demonstrate integrity and professionalism in the fulfilment of all internship requirements.	High	Significant	Moderate/Basic	Not even reaching marginal levels

Applicable to students admitted before Semester A 2022/23

Assessment Task	Criterion	Excellent (A+, A, A-)	Good (B+, B, B-)	Fair (C+, C, C-)	Marginal (D)	Failure (F)
1. Final report and presentation	1. Ability to identify the problem and explore an effective way to solve it. 2. Ability to solidify the internship experience and develop a set of career goals and plans.	High	Significant	Moderate	Basic	Not even reaching marginal levels
2. Feedback from Employers	1. Demonstrate teamwork and self-initiative ability to successfully complete internship assignments. 2. Demonstrate integrity and professionalism in the fulfilment of all internship requirements.	High	Significant	Moderate	Basic	Not even reaching marginal levels

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

1.   **Keyword Syllabus**
     (An indication of the key topics of the course.)

Integration and application of knowledge, effective communication, solving problems in real-life situations, reflection, career planning

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.)

     Nil

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

     Nil