

City University of Hong Kong

**Information on a Course
offered by Department of Mechanical and Biomedical Engineering
with effect from Semester A in 2012/2013**

Part I

Course Title: **Project Development Study**

Course Code: **MBE6022**

Course Duration: **One Semester**

No. of Credit Units: **3**

Level: **P6**

Medium of Instruction: **English**

Prerequisites: **Nil**

Precursors: **Nil**

Equivalent Courses: **MEEM6022 Project Development Study**

Exclusive Courses: **Nil**

Note: Students may repeat a course, or an equivalent course, to improve course grade only if the previous course grade obtained is C or below.

Part II

1. Course Aims:

The aim of the course is to develop the student's ability to carry out project development study in chosen subject area related to enterprise technology/ automation systems / industrial engineering. It will enable students to:

- develop skills of formulating a project work including strategy plan, team work and project management;
- establish a Research & Development (R & D) proposal for meeting defined requirements.

2. Course Intended Learning Outcomes (CILOs)

Upon successful completion of this course, students should be able to:

No.	CILOs	Weighting* (if applicable)
1.	Understand the scope and nature of a research and development work, and the process of investigation;	1
2.	Establish a research and development proposal based on the selected engineering topic;	2
3.	Develop professional skills of formulating a project work in a residential workshop	2

***Weighting ranging from 1,2,3 to indicate the relative level of importance in an ascending order.**

3. 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)

Activity Type	Timetabled Activity (No. of Credit Units)
Lecture/Tutorial & residential workshop	Lecture/Tutorial (2 CU) & residential workshop (1 CU)

TLAs	Large Class Activities	Small Group Activities <small>note</small>	Total (Hours) Normal + [Out of class]
CILO 1	9	-	9
CILO 2	3	14	17
CILO 3	3	10	13
Total (hrs)	15	24	39

Large class activities mainly include lectures, and small group activities comprise of case studies in groups.

Note:

- 1) The activities will be taken place in an integrated manner in the tutorials and a 3-day weekend residential workshop.
- 2) There will be 13 hrs activities in residential workshop.

4. Assessment Tasks/Activities (ATs)

(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)

ATs	Mini-Projects	Exercises	Total (%)
CILO 1	15	-	15
CILO 2	50	-	50
CILO 3	10	25	35
Total (%)	75	25	100

Assessment Pattern:

Examination duration: Nil

Percentage of coursework, examination, etc.: 100% CW

5. Grading of Student Achievement:**Grade Table**

Letter Grade	Grade Point	Grade Definitions
A+	4.3	Excellent
A	4.0	
A-	3.7	
B+	3.3	Good
B	3.0	
B-	2.7	
C+	2.3	Adequate
C	2.0	
C-	1.7	
D	1.0	Marginal
F	0.0	Failure
P	-	Pass

Please refer to the SGS's website for details.

Part III**Keyword Syllabus:**

Project development, professional skill, strategy, team work, project management, seminars and technical talks, cooperative and action learning, residential workshop, proposal development, and oral presentation

Recommended Reading: Nil**Online Resources:**

The students need to read technical papers and/or books based on respective project study.

Remarks:

Non-MScATM / MScETM students should obtain approval from the Programme Leader before registration.