Form 2B

City University of Hong Kong

Information on a Course
offered by Department of SEEM
with effect from Semester B in 2011/2012

Part I

Course Title: **Industrial Case Study**

Course Code: **SEEM6045**

Course Duration: **One Semester**

No. of Credit Units: **3**

Level: **P6**

Medium of Instruction: **English**

Prerequisites: **Special approval by the SEEM 6045 Course Examiner is required**

Precursors: **Nil**

Equivalent Courses: **MEEM6045/MBE6045 Industrial Case 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 course aims to expose students to mainstream research and/or investigation methods for tackling practical engineering or engineering management problems in the real-life environment and developing feasible solutions for these specific problems.

2. Course Intended Learning Outcomes (CILOs)

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

No.	CILO	Weighting* (if applicable)
1	**Define** the problem(s) and **conduct analysis** of causes	3
2	**Distinguish** various research methodologies and **select** the appropriate method(s) for the problem(s) at hand	2
3	**Define** the scope and the nature of project work	2
4	**Formulate** project proposals and **implement** the plan within a specific time span	3
5	**Monitor** project progress, **report** project outcomes and **evaluate** project success	3

***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)

Student are required to undertake an individually supervised project, which includes formulating a project proposal, defining deliverables, making recommendations, implementing solutions and reporting final results.

CILO No	TLAs	Hours/week
1	Students visit the company sponsoring the project and discuss with industrial supervisor(s) to learn about the problem and its context. Library research should be conducted simultaneously to identify similar problems and their solutions.	NA
2	Students will identify relevant methodologies for solving the problems and list the merits of each of them. Students report to academic supervisor and industrial supervisor and justify their choice.	NA
3-4	Students will start an industrial attachment at the industrial supervisor's company (i.e., sponsor) and implement their proposal.	10 weeks
5	Students will prepare a written report which summarizes their findings and conduct an oral presentation at the end of the industrial attachment.	NA

There are no formal class activities such as regular lectures or tutorials. Consultation sessions with academic supervisors will be scheduled based on each student's individual progress.

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)

CILO No	Type of assessment tasks/activities	Weighting
1-3	Preparatory work will not be graded. (However, thorough preparation is often the industrial supervisor's primary consideration for approving the student to start his/her industrial attachment.)	0
4	Discussion with and feedback from Industrial Supervisor (and other supervisory staff at the sponsor's company)	50
5	Final Presentation	50
Total		100

5. Grading of Student Achievement:

Examination: Nil
Continuous Assessment: 100%

There will be no final examination in this course. A process of continuous assessment, including company visits by academic supervisors, feedback provided by industrial supervisor and other supervisory staff, periodic reports of project progress, final reports and oral presentation of findings – will be used to monitor and evaluate each student's learning outcome.

Grade Table

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

Please refer to the SGS's website for details.

Part III

Keyword Syllabus:

Not Applicable

Recommended Reading:

Essential Reading:

There are no textbooks for this course. Reading assignments will be provided by the academic supervisor and the industrial supervisor of each project.