City University of Hong Kong
Course Syllabus

offered by Department of Systems Engineering and Engineering Management
with effect from Semester A 2017/18

Part I Course Overview

Course Title:	**Directed Studies**
Course Code:	**JC4047**
Course Duration:	**Any One Semester**
Credit Units:	**3**
Level:	**B4**
Proposed Area: *(for GE courses only)*	☐ Arts and Humanities ☐ Study of Societies, Social and Business Organisations ☐ Science and Technology
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)*	**MEEM4047/MBE4047/SEEM4047 Directed Studies**
Exclusive Courses: *(Course Code and Title)*	**Nil**

Part II Course Details

1. Abstract

(A 150-word description about the course)

The aim of this course is to strengthen the students' creative, analytical, life-long learning, application and integration skill as well as the ability to work independently with self-motivation through studying a selected subject under the supervision of an SEEM academic member who has the subject knowledge, without attending regular lectures & tutorial/laboratory at the University. An individual student's enrolment in this course is subject to approval and only for special occasions (such as student's normal study path being disrupted by participation in Co-operative Education Scheme and student exchange programme, etc.).

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.	Discuss the key learning outcomes of selected subject matter on project.	10%	√	√	
2.	Explain the key aspects of the subject matter	40%	√	√	
3.	Integrate new knowledge gained produce required outcomes	30%	√	√	
4.	Communicate a subject area in writing and oval presentation effectively	20%		√	
	** If weighting is assigned to CILOs, they should add up to 100%.*	100%			

[#] Please specify the alignment of CILOs to the Gateway Education Programme Intended Learning outcomes (PILOs) in Section A of Annex.

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.)

The TLA is flexible and depending on nature of the directed studies as specified by the supervisor and the work will be carried out outside of campus without any requirement to attend regular lecture/tutorial/laboratory classes.

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%						
Proposal/Study Plan	√				10%	
Written Report/Assessment		√	√	√	70%	
Poster/Oral Presentation		√		√	20%	e-poster
Examination: 0%						
**The weightings should add up to 100%.*					100%	

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	Proposal	High	Significant	Moderate	Basic	Not even reaching marginal levels
	Report	High	Significant	Moderate	Basic	Not even reaching marginal levels
	Poster	High	Significant	Moderate	Basic	Not even reaching marginal levels

The proposal (10%) should be submitted to the course examiner within the first week of the semester. Within the last week of the semester, a report (70%) related to the study shall be submitted and it will be graded by the supervisor and one anonymous assessor within the Department. The course examiner will moderate the grade based on largely the two grades provided by the supervisor and assessor (If there is a large discrepancy between the two, say A and C, the project will be highlighted and moderated by a panel comprised of the course examiner, corresponding programme leader and the UG Teaching Committee Chairperson.). An A0 size poster (20%) shall also accompany the report submission. Alternatively, a student may be asked to make a 15-min presentation followed by 15-min Q & A.

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.)

The course is flexible, and has no specific syllabus. Each student taking this course will be required to undertake an in-depth reading assignment of selected literatures or other kinds of publications dealing with some advanced level topics. The work may involve intensive literature search about a specific topics related to the management and operation of a manufacturing enterprise, or to the trade and operation analysis of an industry, or the search and applications of a particular technology most suitable for product design, manufacturing and operations as required by the company where the student is working with.

The syllabus has to be proposed by the student and the supervisor, and endorsed by the SEEM4047 course examiner. The supervisor shall not be the same person who supervises the student's final year project in order to avoid double counting of achievement.

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.)

2.2. Additional Readings

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