

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: **Operations Management**

Course Code: **SEEM5006**

Course Duration: **One Semester**

No. of Credit Units: **3**

Level: **P5**

Medium of Instruction: **English**

Prerequisites: **Nil**

Precursors: **Nil**

Equivalent Courses: **MEEM5006 Operations Management**

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:

This course aims to develop students' abilities to manage engineering operations by introducing them to notions of operations systems and focusing on the strategic role of operations in an overall business context and on problem solving to improve operations systems in the short and long term.

2. Course Intended Learning Outcomes (CILOs)

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

| No. | CILOs | Weighting* (if applicable) |
|-----|---|-------------------------------|
| 1. | Define and formulate operations strategy | 1 |
| 2. | Define product and service design processes and plan operations process | 2 |
| 3. | Forecast demand and formulate basic inventory policies | 3 |
| 4. | Plan and schedule operations facilities and capacities for effective resource utilization | 3 |
| 5. | Apply appropriate methods for operations planning and scheduling | 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)

| Activity Type | Timetabled Activity (Hours per week) |
|---------------------------------|--------------------------------------|
| Lecture/Tutorial/Laboratory Mix | Lecture (2); Group Activity (1) |

| TLAs | Large Class Activities (Hrs) | Group Activities (Hrs) | Total (Hrs) |
|--------|------------------------------|------------------------|-------------|
| CILO 1 | 2 | 1 | 3 |
| CILO 2 | 4 | 2 | 6 |
| CILO 3 | 6 | 3 | 9 |
| CILO 4 | 6 | 3 | 9 |
| CILO 5 | 8 | 4 | 12 |
| Total | 26 | 13 | 39 |

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 | Examination (2 Hours) | Participation & Exercises | Case Studies & Mini Projects | Total (%) |
|-----------|-----------------------|---------------------------|------------------------------|-----------|
| CILO 1 | 6 | - | 1 | 7 |
| CILO 2 | 8 | - | 2 | 10 |
| CILO 3 | 12 | 10 | 5 | 27 |
| CILO 4 | 12 | 10 | 5 | 27 |
| CILO 5 | 12 | 10 | 7 | 29 |
| Total (%) | 50 | 30 | 20 | 100 |

For a student to pass the course, at least 30% of the maximum mark for the examination should be obtained.

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:

- Operations Strategy
- Product and Service Design
- Processes and Technologies
- Capacity and Facilities Planning
- Forecasting
- Inventory Management
- Aggregate Sales and Operations Planning
- Resource Planning
- Operations Scheduling

Recommended Reading:

Operations Management, 6th Edition, Russell & Taylor, John Wiley & Sons

Online Resources:

Online learning material is provided via University computer network.