

## Course Outline

Faculty: International

Department: International Business

Call Number: 221-302 Course: Production and Operations Management

Credits: 3

Instructor: Panuwat Taerakul

Pre: IBA 101 Principles of Accounting I

IBF 204 Business Finance

### Course Description:

Fundamentals of Management operations and production underlying the solution of problem relating to optimum utilization of factors of production, production process, control and operation of production. Forecasting, quality control, “Just in Time” inventory practice and safety practices.

### Course Objectives:

- 1) To discuss basic concept of operation management: Project management & Forecasting.
- 2) To discuss how to design operations: managing quality, capacity planning, work measurement.
- 3) To discuss how to manage operations: supply chain, Inventory, Just-in-time etc.
- 4) To learn how to use operation models

### Course resources materials:

## Study Plan

(for students)

Week	Learning Topic	Assignment
1	Operation and Supply	-
2	Project-Change Management	-
3	Strategic Capacity Management	Hand-in Homework 1
4	Manufacturing Processes	Hand-in Homework 2
5	Holliday	-
6	Service Processes	Hand-in Homework 3
7	Six-Sigma Quality	Hand-in Homework 4
8	Midterm Examination	-
9	Strategic Sourcing	-
10	Logistics	Hand-in Homework 5
11	Lean Manufacturing	Hand-in Homework 6
12	Forecasting	Hand-in Homework 7
13	Aggregate Sales and Operations Planning	Hand-in Homework 8
14	Inventory Management	Hand-in Homework 9
15	Integrated Planning and Control Systems	Hand-in Homework 10
16	Student Project Presentation	-
17	Final Examination	-

The lecturer reserves the rights to make adjustments as circumstances warrant.

Student Evaluation Scheme:

Midterm Exam	30%
Homework *	10%
Class Participation <sup>+</sup>	10%
Student Project	15%
Final Exam	35%

\*Homework must be done by hand-written in A4-size paper. Late homework will not be accepted.

<sup>+</sup>Class participation will include the following: involvement in class discussions, punctuality, discipline and academic honesty.

Examination Method

Theory

Completed by ..... (Mr. Panuwat Taerakul) ...../...../.....	Director ..... (Mr.Rengson Mualchontham) ...../...../.....
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## Teaching Plan

(for instructor)

Week	Topic of Instruction	Activity Medium	Learning/Teaching Assessment
1	Operation and Supply	Lecture/ PowerPoint	Discussion
2	Project-Change Management	Lecture/ PowerPoint	Discussion
3	Strategic Capacity Management	Lecture/ PowerPoint	Discussion
4	Manufacturing Processes	Lecture/ PowerPoint	Discussion
5	Holliday	-	-
6	Service Processes	Lecture/ PowerPoint	Discussion
7	Six-Sigma Quality	Lecture/ PowerPoint	Discussion
8	Midterm Examination	-	-
9	Strategic Sourcing	Lecture/ PowerPoint	Discussion
10	Logistics	Lecture/ PowerPoint	Discussion
11	Lean Manufacturing	Lecture/ PowerPoint	Discussion
12	Forecasting	Lecture/ PowerPoint	Discussion
13	Aggregate Sales and Operations Planning	Lecture/ PowerPoint	Discussion
14	Inventory Management	Lecture/ PowerPoint	Discussion
15	Integrated Planning and Control Systems	Lecture/ PowerPoint	Discussion
16	Student Project Presentation	PowerPoint	Discussion
17	Final Examination	-	-
18		-	-