

**Course Specification**

<b>University</b>	Siam University
<b>Faculty / Department</b>	International Business Program

**1. General Information of Course Outline**

<b>1. Course Code and Course Name</b>	IBM 302 / Production and Operations Management
<b>2. Credit (Lecture hour – Lab. Hour – Self Study)</b>	3(3-0-6)
<b>3. Academic Curriculum</b>	
<b>3.1 Curriculum name</b>	International Business
<b>3.2 Type of Subject</b>	Core Course
<b>4. Coordinated Lecturer and Lecturer</b>	
<b>4.1 Coordinated Lecturer</b>	Panuwat Taerakul, Ph.D.
<b>4.2 Lecturer</b>	
<b>5. Semester / Year</b>	2 <sup>nd</sup> Semester / 2554
<b>6. Pre-requisites</b>	IBA 101 Principles of Accounting I IBF 201 Business Finance
<b>7. Co-requisites</b>	-
<b>8. Place of Study</b>	205
<b>9. Date of Lastest Course Specification Revised</b>	01/11/2554

## 2. Purpose and Objective

<p><b>1. Subject Purpose</b></p> <p>1) To discuss basic concept of operation management: Project management &amp; Forecasting.</p> <p>2) To discuss how to design operations: managing quality, capacity planning, and work measurement.</p> <p>3) To discuss how to manage operations: supply chain, Inventory, Just-in-time etc.</p> <p>4) To learn how to use operation models</p>
<p><b>2. Objective of Subject Revision</b></p> <p>To update course material to new operation strategies</p>

## 3. Implementation and Procedures

<p><b>1. Course Description</b></p> <p>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.</p>											
<p><b>2. Periods Per Semester</b></p> <table border="1"> <thead> <tr> <th>Lecture</th> <th>Tuition</th> <th>Laboratory / Field trip / Training</th> <th>Self Study</th> </tr> </thead> <tbody> <tr> <td>45</td> <td>-</td> <td>-</td> <td>90</td> </tr> </tbody> </table>				Lecture	Tuition	Laboratory / Field trip / Training	Self Study	45	-	-	90
Lecture	Tuition	Laboratory / Field trip / Training	Self Study								
45	-	-	90								
<p><b>3. Period of Consultant per week</b></p> <p style="text-align: center;">1</p>											

## 4. Development of Learning Skills

<p><b>1. Ethics</b></p> <p><b>1.1 Ethics Development</b></p> <p>No copying homework</p> <p>Respecting class mate and instructor by not making noisy sound during class</p> <p><b>1.2 Teaching Method</b></p> <p>Homework grading policy</p> <p>Class participation policy</p> <p><b>1.3 Evaluation Method</b></p> <p>Homework grading evaluation</p> <p>Class participation</p>
<p><b>2. Knowledge Skill</b></p> <p><b>2.1 Expected Knowledge</b></p> <p>Meet all class objectives</p>
<p><b>2.2 Teaching Method</b></p> <p>Class lecture (PowerPoint Presentation)</p> <p>Class Participation</p> <p>Homework assignments</p>
<p><b>2.3 Evaluation Method</b></p> <p>Homework Assignment</p> <p>Midterm and Final Examination</p>

**3. Wisdom Skill****3.1 Required Intelligence Skill Development**

Ability to discuss or make judgment about operation management strategies

**3.2 Teaching Method**

Class participation

Homework assignments

**3.3 Evaluation Method**

Homework grading score

Midterm and Final Examinations

**4. Interpersonal and Responsibility Skill****4.1 Required Interpersonal and Responsibility skill Development**

Punctuation and classmates' respect

**4.2 Teaching Method**

Set rules on class participation

Set deadline for homework assignments

**4.3 Evaluation Method**

Determine on Homework hand-in time, and present and behavior during class

**5. Mathematics Communication and IT Analysis Skill****5.1 Mathematics Communication and IT Analysis skill Development**

Using internet browser to searching information for class material and homework solutions

**5.2 Teaching Method**

Assign homework

Set a homepage that students can access to download class material

**5.3 Evaluation Method**

Homework score

Development of midterm and final examination score

Class feedback

## 5. Lesson Plan and Evaluation

<b>1. Lesson plan</b>				
<b>week</b>	<b>Content Description</b>	<b>Study Period</b>	<b>Learning Activities and Teaching aids media</b>	<b>Lecturer</b>
1	Introduction	1	Powerpoint	Panuwat
2	Project Change Management	2	Powerpoint, Homework	Panuwat
3	Strategic Capacity Planning	3	Powerpoint, Homework	Panuwat
4	Manufacturing Process	4	Powerpoint, Homework	Panuwat
5	Service Process	5	Powerpoint, Homework	Panuwat
6	Six Sigma	6	Powerpoint, Homework	Panuwat
7	Six Sigma	7	Powerpoint	Panuwat
8	Midterm Examination	8	Examination	-
9	Strategic Sourcing	9	Powerpoint, Homework	Panuwat
10	Logistics	10	Powerpoint, Homework	Panuwat
11	Lean Manufacturing	11	Powerpoint, Homework	Panuwat
12	Forecasting	12	Powerpoint, Homework	Panuwat
13	Aggregate Sales and Operations Planning	13	Powerpoint, Homework	Panuwat
14	Inventory Management	14	Powerpoint, Homework	Panuwat
15	Integrated Planning and Control Systems	15	Powerpoint	Panuwat
16	Final Examination	16	Examination	-

<b>2. Learning Evaluation Plan</b>			
<b>Learning Skill</b>	<b>Evaluation Method</b>	<b>Week of Evaluation</b>	<b>Evaluation Score (%)</b>
1, 2, 3, 4, 5	Homework Assignments	2 - 15	<b>15</b>
1, 4	Class Participations	1 - 16	<b>10</b>
2, 3, 5	Midterm Examination	8	<b>30</b>
2, 3, 5	Final Examination	17	<b>40</b>

## 6. Learning Resources

<p><b>1. Course Materials</b> Textbook, Class notes (Powerpoint Slides), Internet Resources</p>
<p><b>2. Important Textbooks and References</b> Jacobs, F.R., &amp; Chase, R.B. Operation and Supply Chain Management, Global Edition, 13ed, Boston, McGraw-Hill Irwin.</p>
<p><b>3. Recommended Textbooks and References</b> Jacobs, F.R., &amp; Chase, R.B. Operation and Supply Chain Management, The Core, Boston, McGraw-Hill Irwin.</p> <p>Stevenson, W.J. &amp; Chuong, S.C. Operation Management, An Asian Perspective, McGraw-Hill.</p>

## 7. Course Evaluation and Development

<b>1. Course Evaluation by Students</b> Siam University Student Evaluation Program
<b>2. Teaching Evaluation</b> Siam University Class and Test Evaluation Program
<b>3. Teaching Development</b> Siam University Class and Test Evaluation Program
<b>4. Subject verification of Student Achievement</b> Siam University Evaluation Program
<b>5. Revision and Development of Course Effectiveness</b> Siam University Evaluation Program