MGT 180 – Supply Chain Planning and Management – Fall 2012

COURSE OUTLINE

Instructor: Jay Hopman
Email: jwhopman@ucdavis.edu

Office Hours: Tuesday: 4:30pm – 6:00pm Gallagher, room 3207

Class Website: SmartSite

Lectures: Tuesday @ 6:10pm – 9:00pm, 1213 Gallagher

TA: TBA
Email: xxxxxx@ucdavis.edu
Office Hours: TBA

Discussion Sections: Section 1 TBA
Section 2 TBA


Course Description

An introduction to the basic concepts and methods used to manage the production and distribution of goods and services. Problems, issues and decisions presented are related to forecasting, queuing, location strategy, quality, inventory, material requirements planning, just-in-time, learning curves, aggregate planning, capacity planning, scheduling, and supply chain management.

Course Objectives

1. To teach students managerial practices that most employees have not learned before entering the workplace, including project management, quality, scheduling, forecasting, and planning.

2. To provide students with fundamental knowledge of supply chain components, organization, operation, performance, and key design trade-offs.

3. To expose students to the relationship between supply chain design and implementation and overarching business models and strategies.

4. To introduce students to quantitative techniques for managing production, distribution and provision of goods and services within the supply chain.
Preparation for Lecture
We will cover only selected chapters and sections within the textbook. The attached schedule indicates which chapters/sections will be covered during each class session. To facilitate learning and class discussion, students are expected to read the assigned chapters prior to the lecture.

Lecture Slides or Notes/Course Material
All lecture materials and other course materials will be available on the class SmartSite.

Grades
The course grade will be determined based on your percentage of total possible points with the usual distribution of 90%, 80%, and 70% for A, B, and C grade respectively. Depending on the class performance, the course grade may be based on a curve. Any student earning 90% or above on the course is guaranteed an “A” grade and pluses and minuses will be distributed within the grade categories based on a curve at the discretion of the instructor.

<table>
<thead>
<tr>
<th>Classroom Discussion / Participation</th>
<th>10%</th>
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<tbody>
<tr>
<td>Homework Assignments and Quizzes</td>
<td>25%</td>
</tr>
<tr>
<td>Midterms</td>
<td>30%</td>
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<tr>
<td>Final Examination</td>
<td>35%</td>
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Policies
1. Coffee, water, and soft drinks are fine in class. No food allowed.
2. We will have a ten minute break in the middle of each three hour class.
3. Use of personal electronics (including cell phones, pagers, iPods, MP3 players, etc.) is prohibited. Turn off or silence all devices prior to the start of lecture. Students may leave class to accept emergency phone calls but not other personal calls.
4. If you wish to use a notebook computer to take notes during class, you must request permission from the instructor. Students using computers for other purposes will be docked points for discussion/participation.
5. Discussion/participation points will also be docked for absence, tardiness, or talking in a disruptive manner during class.
6. All university policies concerning conduct will be in effect. These policies are available on the university web site. Students should demonstrate citizenship and respect to university staff and other students beyond the minimum requirements of the policies.
7. Make-up exams and quizzes will be offered only with advance consent of the instructor. If you do not contact the instructor before missing the regularly scheduled exam or quiz you will not be allowed a make-up and will forfeit all points.
8. All assignments are due at the beginning of the class (6:10pm). Late homework assignments will be accepted no later than Noon Friday. The penalty for late work is 25% of the possible points. Late assignments may be submitted electronically but will be penalized regardless.
9. Any changes to the course syllabus will be announced during lecture and will be posted on the class website.
<table>
<thead>
<tr>
<th>Date</th>
<th>Topics</th>
<th>Read Chapter(s)</th>
<th>Homework Problems Due</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oct 2</td>
<td>Introduction, Forecasting</td>
<td>1, 3</td>
<td>Complete introductory survey (before 1st class)</td>
<td>20 HW 5 Part.</td>
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<tr>
<td>Oct 9</td>
<td>Quality</td>
<td>9, 10</td>
<td>Chapter 3: 2, 3, 7, 12, 18</td>
<td>20 HW 5 Part.</td>
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| Oct 16   | 6:10 – 6:40: Quiz  
6:40 - 8:10: Location Analysis, Learning Curve  
8:20 – 9:00: Review | 8, 7S           | Chapter 9: 1, 2, 6  
Chapter 10: 1, 3, 6, 8, 26 | 20 HW 45 Quiz 5 Part. |
| Oct 23   | 6:10 - 7:10pm:  
Midterm (3, 7S, 8, 9, 10)  
7:20 - 9:30pm: Game (no prep required) | 15              |                       | 150 MT 30 Part. |
| Oct 30   | Inventory; JIT; Discuss game results    | 12              | Chapter 8: 9, 13  
Chapter 7S: 5, 18 | 20 HW 5 Part.  |
| Nov 6    | Queuing, MRP                            | 14, 18          | Chapter 12: 5, 7, 13, 28, 36 | 20 HW 5 Part.  |
| Nov 13   | 6:10 – 6:40pm: Quiz  
6:40 – 8:00pm: Aggregate Planning  
8:10 – 9:00pm: Review | 13              | Chapter 14 1, 3, 6, 14, 16;  
Chapter 18: 1, 2, 8, 9 | 20 HW 45 Quiz 5 Part. |
| Nov 20   | 6:10 - 7:20pm:  
Midterm (12, 14, 15, 18)  
7:30 - 9:00pm: Scheduling | 16              |                       | 20 HW 150 MT 5 Part. |
| Nov 27   | Strategic Capacity Planning; Supply Chain Management | 5, 11           | Chapter 13: 1, 2, 3, 13, 18  
Chapter 16: 4, 6, 7, 19 | 20 HW 5 Part.  |
| Dec 4    | 6:10 – 8:10pm: Case study  
8:20 – 9:00pm: Review | Case study to be posted on web site | Be ready to discuss and analyze the case in detail | 30 Part.  |
| Dec ??   | Comprehensive Final Examination         | TBA             |                       | 350 Final       |