



The Hashemite University  
College of Econ. & Admin. Science  
Business administration Department  
First Semestre 2018/2019

Supply Chain Management (1802031436)  
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## Course Description

This course focuses on the development and application of decision models in supply chains with emphasis on demand forecasting, aggregate planning, inventory management (cycle and safety), supply network design, transportation, coordination and sourcing. Spreadsheet based tools and techniques will extensively be utilized in building various decision models for effective decision making in supply chains.

## Specific Objectives

The main objectives of supply chain management as follows:

1. Define the process and the context (business unit) in which it operates.
2. What is the strategy / market of the business unit?
3. What does this imply in terms of the logistics process you are studying? What must this process be able to do particularly well in terms of cost, time, quality, and flexibility?
4. Describe the current process structure in terms of information, inventory, transportation, and location.
5. Discuss the process capabilities, given the current structure, in terms of the specific dimensions identified .
6. Discuss existing problems and weaknesses in the current process. What additional capabilities does the process need to develop?
7. How should the process be restructured to develop these capabilities? Discuss why the changes suggested by you will have the desired effect along the key dimensions identified.
8. Discuss how the suggested changes should be imply To analyze an existing logistics process and suggest any improvements that needs to be made. Explain any resistance you may face in implementing the changes.
9. To analyze an existing logistics process and suggest any improvements that needs to be made.

## **Lecture Timetable:**

<b>Week</b>	<b>Date</b>	<b>Topics</b>	<b>Reading</b>
<b>1</b>	<b>9/9-13/9</b>	<b>Introduction</b>	
<b>2</b>	<b>16/9-20/9</b>	<b>Understanding the Supply Chain</b>	<b>Chapter 1</b>
<b>3</b>	<b>23/9-27/9</b>	<b>Supply Chain Performance: Achieving Strategic Fit and Scope</b>	<b>Chapter 2</b>
<b>4</b>	<b>30/9-4/10</b>	<b>Aggregate Planning in a Supply Chain</b>	<b>Chapter 8</b>
<b>5</b>	<b>7/10-11/10</b>	<b>Sales and Operations Planning: Planning Supply and Demand in a Supply Chain</b>	<b>Chapter 9</b>
<b>6</b>	<b>14/10-18/10</b>	<b>Sales and Operations Planning: Planning Supply and Demand in a Supply Chain. ( First exam 18/10/2018)</b>	<b>Chapter 9</b>
<b>7</b>	<b>21/10-25/10</b>	<b>Coordination in a Supply Chain.</b>	<b>Chapter 10</b>
<b>8</b>	<b>28/10-1/11</b>	<b>Coordination in a Supply Chain.</b>	<b>Chapter 10</b>
<b>9</b>	<b>4/11-8/11</b>	<b>Information Technology in a Supply Chain</b>	<b>Chapter 17</b>
<b>10</b>	<b>11/11-15/11</b>	<b>Information Technology in a Supply Chain</b>	<b>Chapter 17</b>
<b>11</b>	<b>18/11-22/11</b>	<b>Sustainability and the Supply Chain (Second exam 22/11/2018)</b>	<b>Chapter 18</b>
<b>12</b>	<b>25/11-29/11</b>	<b>Sustainability and the Supply Chain</b>	<b>Chapter 18</b>
<b>13</b>	<b>2/12-6/12</b>	<b>Presentation</b>	
<b>14</b>	<b>9/12-13/12</b>	<b>Presentation</b>	
<b>15</b>	<b>16/12-20/12</b>	<b>Final Exam.</b>	

### **Assessment:**

<b>First examination</b>	<b>25%.....18/10/2018</b>
<b>Second examination</b>	<b>25%..... 22/11/2018</b>
<b>Class participation</b>	<b>10%</b>
<b>Final examination</b>	<b>40%</b>
<b>Total</b>	<b>100%</b>

### **Recommended Text**

**Chopra, S., and Meindl, P. (2013) *Supply Chain Management: Strategy, Planning, and Operations*, 5th Ed., Prentice Hall.**