

Supply Chain Management

Prepared by Dr. Tarek Mohamed

MGM 660

Orientation Show



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Course Agenda

Chapter

01

- 1-Introduction about the professor of the course.
- 2-Introduction to the course.
- 3-Primary goal of this course.
- 4-Learning outcomes.
- 5-Learning resources.
- 6-Units of course contents.

Dr. Tarek Mohamed

- **Adjunct Professor at Post-Graduate Studies and Research Department - Faculty of Commerce -Cairo University**
- **Doctorate degree in Business Administration- (Major Supply Chain)-Cairo University.**
- **Master degree in Business Administration- Arab Academy for Science & Technology and Maritime Transport .**
- **Executive Management Diploma- The American University in Cairo.**
- **Supply chain consultant & certified trainer in manufacturing and service fields.**
- **Professional consultant of applying Value Chain framework analysis at manufacturing companies.**

☐ **How to reach me ?**

- **By Email : tarek.mohamed @ midocean.edu.km**
- **Pls include“ Supply Chain Management ” in the subject line.**
- **Via Moodle messages.**

☐ **Vimeo Meeting.**

- **Discussion time on Sunday (9-10 PM) Every Week.**

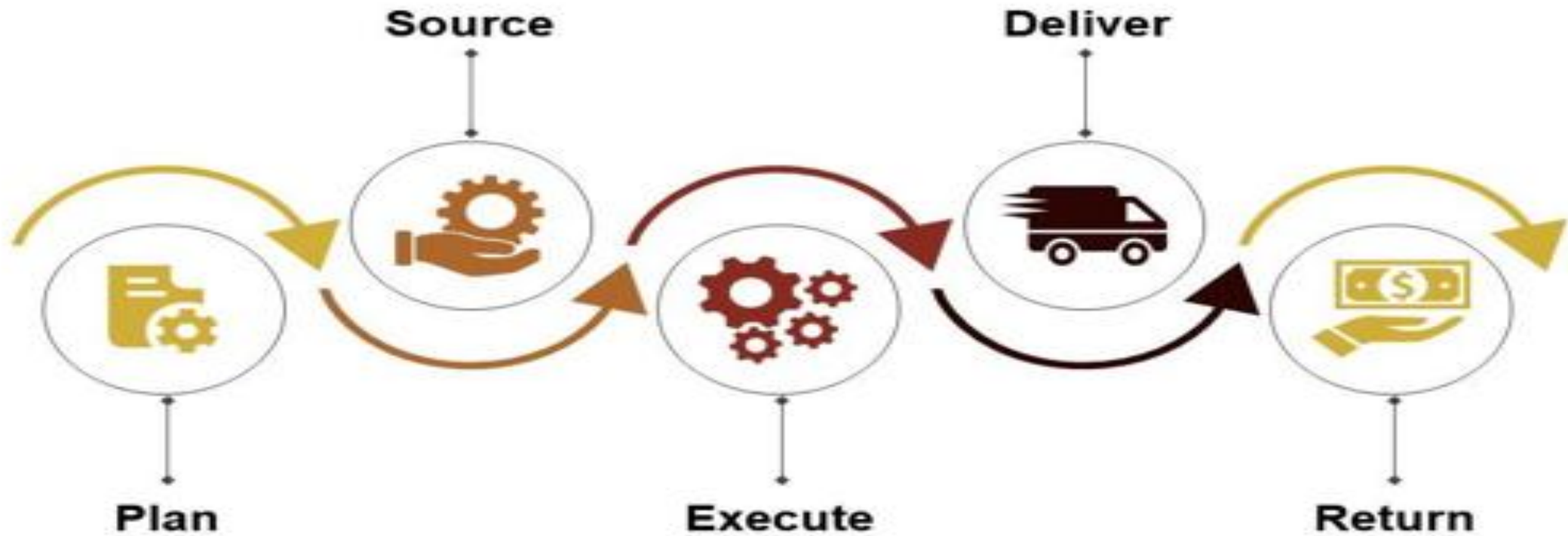
What is a Supply Chain Management

- ☐ All stages involved, directly or indirectly, in fulfilling a customer request.
- ☐ Includes manufacturers, suppliers, transporters, warehouses, retailers, and customers.
- ☐ Within each company, the supply chain includes all functions involved in fulfilling a customer request (product development, marketing, operations, distribution, finance, customer service).

What is a Supply Chain Management

- ❑ All parties involved directly/indirectly in fulfilling customer needs/demands.
- ❑ All facilities, functions, activities, associated with flow and transformation of goods and services from raw materials to customer, as well as the associated information flows.
- ❑ An integrated group of processes to “Plan,” “Source,” “Make,” and “deliver” products to customers.

Supply Chain Structure



Primary Goal of this Course

- ☐ Explaining how to build a strategic framework to analyze supply chains.
- ☐ Identifying how to manage cross-functional drivers in a supply chain.
- ☐ Describing the designing process of the supply chain network.
- ☐ Identifying the planning and coordinating demand and supply in the supply chain.
- ☐ Understanding how to plan and manage inventories in the supply chain.
- ☐ Explaining the designing and planning of transportation networks in the supply chain.

Credit Hours: 3 Credit Hours.

➤ **Required Textbook :**

Supply Chain Management-Strategy, Planning and Operation, Sixth Edition, Sunil Chopra and Peter Meindl, Pearson Education Limited.

➤ **Essential References :**

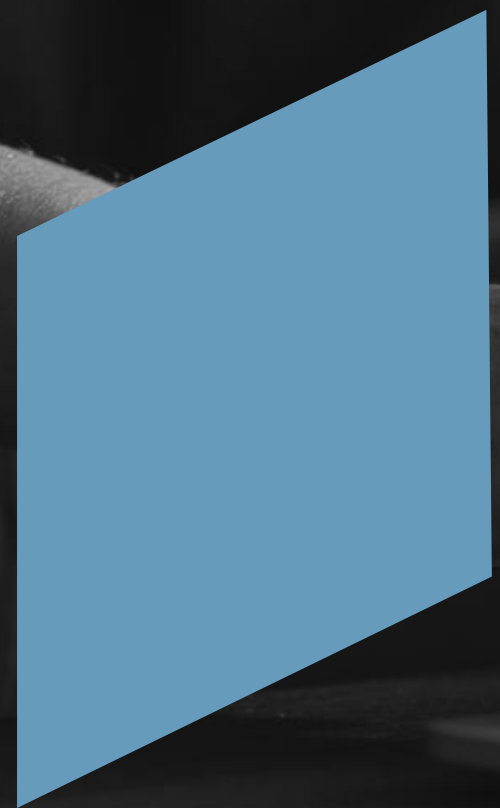
The main material and reference for each course will be the textbook mentioned in the course specifications, lecture notes and slides are additional resources that are prepared by the professor.

At the end of the course, the students will be able to understand :

- ☐ The important role of supply chains in today's business and economy.
- ☐ A wide scope of functions and concepts in supply chains.
- ☐ The main components of supply chains.
- ☐ The key drivers of good supply chain management to create a competitive advantage.
- ☐ Apply conceptual decision-support to supply chain related decision problems.
- ☐ The unique characteristics and issues of supply chains.
- ☐ How to utilize the strategic framework concepts used in this text to achieve significant increases in performance.

Units of Course Contents

Course Unit	No.of. Weeks	Contact Hours
Part I Building a Strategic Framework to Analyze Supply Chains		
Lecture 1- Understanding the Supply Chain	1st	3
Lecture 2- Supply Chain Performance: Achieving Strategic Fit and Scope	2nd	3
Lecture 3- Supply Chain Drivers and Metrics	3rd	3
Part II Designing the Supply Chain Network		
Lecture 4- Designing distribution network in the Supply Chain	4th	3
Lecture 5- Network design in the Supply Chain	5th	3
Part III Planning and Coordinating Demand and Supply in a Supply Chain		
Lecture 6- Demand forecasting in a supply chain	6th	3
Lecture 7- Aggregate planning in a supply chain	7th	3
Part IV Designing and Planning Transportation Networks		
Lecture 8 -Transportation in a Supply Chain	8th	3
Part V Managing Cross-Functional Drivers in a Supply Chain		
Lecture 9 -Sourcing decisions in a supply chain	9th	3
Lecture 10-Sustainability and the Supply Chain	10th	3



Thank You