

Global Supply Chain Management

Title of the Course: Global Supply Chain Management

Course Teacher: Sidong Zhang

No. Of Course: 2040336

Language: English

Students: Master Program

Inside Class Credit Hours: 36

Extracurricular class hours: 72

Prerequisite: N/A

Number of students: N/A

Semester: 2

Credit: 2

1. Profile and Contact way of the Teachers

Dr. Zhang gets BE degree from Tongji University, MBA degree from CEIBS and PhD degree from Syracuse University, he has more than 10 years' experiences working in the companies such as EAC, Arthur Andersen, Hewlett Packard and Agilent Technologies as the senior executive in the field of international shipping, trading, supply chain operation, customs affairs and trading policy.

Dr. Zhang's research examines the issues underlying both real-world management problems and theoretic supply chain management problems, his current researches focus on using contract mechanism to motivate supplier unilaterally improve quality, and on questions surrounding the ordering and pricing of perishable product with little basis for estimating stochastic demand for both single period and multiple periods. Dr. Zhang's research is published in well-known international journals, i.e., European Journal of International Research and International Journal of Production Economics.

Dr. Zhang teaches the MBA, EMBA courses in ETH, EPFL, ESSEC, Mannheim and Technique University of Berlin etc.

Tel: 021-65979092

Email : sidong_zhang@tongji.edu.cn

2. Course Description

This course introduces the key concepts and latest technologies in the discipline of supply chain management, identifies supply chain trends and evolution. A company's supply chain is crucial to its strategic differentiation and performance. The goal of this course is to provide a basis for sound management intuition in the context of supply chain management and to provide a framework for evaluating and enhancing practices. This goal is pursued through case studies, exercises, simulation and journal paper readings.

The course covers operation strategy, operation process, quality management, demand management, inventory management, logistic technology laboratory experiment and risk management in a global

perspective.

3. Course Objectives and Requirements

All objectives listed here will be demonstrated in writing unless otherwise stated. Upon completion of this course, you will be able to:

- Understand key concepts of supply chain management for both service and manufacturing organizations,
- Be able to integrate the supply chain function within the general business structure of the organization,
- Enforce analysis skills, particularly in the context of setting up and analyzing supply chain issues,
- Develop critical thinking skills and experience business decision-making from a long-term, performance-oriented perspective

4. Course Arrangement

Session 1	<ul style="list-style-type: none"> ▪ Introduction of the course and syllabus ▪ Supply chain development trends
Session 2	<ul style="list-style-type: none"> ▪ Introduction to supply chain management
Session 3	<ul style="list-style-type: none"> ▪ Sourcing and procurement
Session 4	<ul style="list-style-type: none"> ▪ Managing channel profit
Session 5	<ul style="list-style-type: none"> ▪ Distribution and transportation management
Session 6	<ul style="list-style-type: none"> ▪ Planning for supply and demand within a supply chain. ▪ Managing variability within supply chain
Session 7	<ul style="list-style-type: none"> ▪ Inventory management (deterministic)
Session 8	<ul style="list-style-type: none"> ▪ Inventory management (stochastic)
Session 9	<ul style="list-style-type: none"> ▪ Incoterms 2020 ▪ From domestic to global supply chain
Session 10	<ul style="list-style-type: none"> ▪ Risk management in the global context
Session 11	<ul style="list-style-type: none"> ▪ Performance measurement and evaluation in global supply chain
Session 12	<ul style="list-style-type: none"> ▪ Simulation for supply chain decision making

5. Teaching Methods

- Lecture
- Simulation
- Case study
- Journal paper reading

6. Learning Outcomes

Category	Learning Outcomes
Knowledge Learned	<ol style="list-style-type: none"> 1. to grasp the basic premise, the basic theory and the development trend of the supply chain management activity 2. to master supply chain management process and basic method
Intellectual	<ol style="list-style-type: none"> 1. have the ability to see opportunities to improve supply chain efficiency

abilities Improved	<ol style="list-style-type: none"> 2. have the ability of management communication 3. have the ability of global supply chain management innovation
Practical skills improved	<ol style="list-style-type: none"> 1. to diagnose the problems and barriers to creating value 2. to design effective and efficient solutions 3. to apply concepts to solve real world business issues.
Personal competences and characters Cultivated	<ol style="list-style-type: none"> 1. using the thinking view of globalization and the concept of sustainable development quality 2. critical acceptance of knowledge and quality of supply chain management 3. the establishment of "respect for people" s humanism personality 4. good team spirit of cooperation

7. Performance Evaluation: Means & Ratio

Evaluation Means	Ratio (%)
Problem sets: Group or individual assignments.	90
Participation: Participation through discussion, interaction in the class and sharing knowledge with classmates.	10

8. Textbook, References and Reading Materials

Textbooks

- Sunil Chopra, Peter Meindl, "Supply Chain Management", Pearson Education Publishing ISBN-10: 0132743957
- Journal papers assigned in class

9. Cases

Case 1: Sourcing and procurement

Case 2: Managing variability within supply chain

Case 3: Risk management in the global context

Case 4: Performance measurement and evaluation in global supply chain

10. Assignment Requirements

The purpose of the assignments is to identify, analyze, and solve the supply chain management problems, e.g., the problems of determining the capacities, distribution network systems, inventory levels etc. to improve the efficiency and effectiveness of the supply chain process. By working on the assignments, one should show the understanding of the key concepts of supply chain management, the capability of integrating the various functions in the supply chain to design efficient solutions with critical thinking skills .

While working on the assignments, either individually or collectively, one is expected to follow the

standards of proper citation and to avoid plagiarism. Great care must be taken to distinguish one's own ideas, language from the original information cited.

Appendices:

1. The course PPT
2. Case material
3. Other teaching material (such as reading materials, the articles)
4. Study guide