



INTERNATIONAL MANAGEMENT INSTITUTE, BHUBANESWAR
PROGRAMME NAME: Post Graduate Diploma in Management (WILP)
Logistics and Supply Chain Management (OM 601)
CREDIT: Full (2 credits)
SESSION DURATION: 90 Minutes

TERM: V
YEAR: 2018-2019
BATCH: PGDM(WILP)-2017

FACULTY: Dr. Ranjit Roy Ghatak

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Office hours: 9: 30 a.m. - 5.30 p.m.

Course Introduction:

Till 1990s, the primary goal of any organization was to deliver the best possible customer service through coordinated management of its internal resources. Gradually, it started realizing that in a globalized economy today, managing its internal resources was not adequate to outperform others in the market place. Rather, it needs collaborative and mutually beneficial relationship with all channel partners to achieve superior operating performance, gain competitive advantage, and provide better value to its customers. The concept of Supply Chain Management evolved out of this necessity to efficiently integrate all channel members so that right goods are sourced and produced in right quantities and distributed to the right locations, on time, and at minimum cost.

Therefore, the supply chain strategies, concepts, and analytical tools learnt in the course can prove to be very useful to design and improve supply chain performance so that wastages are reduced, and increased value is delivered to customers.

Learning Outcome:

1. To develop competence and skill sets in using SCM concepts in a variety of contexts.
2. To display familiarity with supply chain concepts and how supply chain concepts can be used to improve the competitive position of the firm.
3. To formulate appropriate supply chain strategies.
4. To develop analytical tools to solve supply chain problems.
5. To design supply chain networks.
6. To manage risks in supply chain

Course Pedagogy:

1. Class will be a mix of interactive lectures, case discussions, games, simulations and projects.
2. Each class will start with a presentation of relevant case by a group of students who will also cover the topic planned for that class.

Course Readings

Text Book:

Chopra, S., (2012), "Supply Chain Management: Strategy, Planning & Operation", Pearson, Pearson, 5th Edition.

Reference Books:

- Simchi - Levi, D., Kaminsky, P., (2007) "Designing and Managing the Supply Chain", McGraw Hill, 3rd Edition.
- Shah, J., (2009) "Supply Chain Management: Text and Cases", 1st Edition, Pearson.
- Hugos, M.H., (2011) "Essentials of Supply Chain Management," 3rd Edition, Pearson.
- Bowesox, J.D., Closs, D.J., Cooper, M.B., (2016) ,"Supply Chain Logistics Management" 3rd Edition, Mc -Graw Hill.
- Jacobs,R.F., Chase, R., (2014) "Operations and Supply Chain Management ",14th Edition,Mc-Graw Hill.
- Chirtopher,M.,(2010). "Logistics and Supply Chain Management ", FT Press.
- Raghuram. (2015)" Logistics And Supply Chain Management: Cases and Concepts", Macmillan

Course Evaluation criteria:

Evaluation criteria

End term exam	: 40%
Quiz	: 30%
Group Project & Presentation	: 20%
Class Participation	: 10%
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TOTAL	: 100%

Project

As part of the evaluation, students are required to do a Case Studyt which shall involve study of real life application of one or more aspects of Supply Chain covered during the course. This study can either be done for a services or a manufacturing organization. *Preferably, students must visit the organization and collect first hand information.* If this is not possible, desk research may be done. Students must be able to do a critical analysis of the particular aspect(s) of Supply Chain Management being studied. At the end of the term, students are required to make a presentation on the project. Each member of the group is expected to speak in the presentation. Presentations shall be evaluated for: *content, presentation style and communication, and response to questions.* Peer evaluation shall be done and all members of the group may not get the same grade.

Session Plan (Tentative):

Session No.	Topic	Learning Outcome	Chapter Reading from the Text Book
1	Understanding the Supply Chain <ul style="list-style-type: none">• Objective of Supply Chain• Importance of Supply Chain Decisions• Decision Phases in a Supply Chain• Process View of a Supply Chain• Examples of Supply Chains	LO1,LO2	Chapter 1, Chapter 2

2	Supply Chain Performance <ul style="list-style-type: none"> • Achieving Strategic Fit • Supply Chain Drivers and Metrics • Framework for structuring Drivers 	LO 1, LO 2	Chapter 2, Chapter 3
3,4	Network Design for Efficient and Effective Supply Chain- <ul style="list-style-type: none"> • Factors Influencing Network Design Decisions • Models for Facility Location and Capacity Allocation 	LO 5	Chapter 5
5	Designing Global supply chain network <ul style="list-style-type: none"> • Impact of globalalization on supply networks • Risk Management in Global Supply Chains • Evaluating Network Design Decisions using decision tree • Making Global Supply Chain Decisions 	LO 3, LO 5, LO 6	Chapter 6
6	Sales and Operations Planning <ul style="list-style-type: none"> • Responding to predictability variability • Managing Supply • Managing Demand 	LO 4	Chapter 9
7	Coordination in a Supply Chain <ul style="list-style-type: none"> • Obstacles to Coordination • Continuous Replenishment and Vendor Managed Inventories • Collaborative Planning, Forecasting and Replenishment 	LO 2, LO 3	Chapter 10
8,9	Inventory Management in Supply Chain <ul style="list-style-type: none"> • Role of Cycle Inventory • Estimating Cycle Inventory • Economies of Scale • Short Term Discounting 	LO 3, LO 4	Chapter 11,Chapter 12

	<ul style="list-style-type: none"> Managing Multi-echelon Cycle Inventory 		
10	Managing Uncertainty in Supply Chain <ul style="list-style-type: none"> Safety Inventory Bullwhip effect Managing Safety Inventory in Multi Echelon Supply Chain 	LO 3, LO 6	Chapter 12
11	Sourcing Decisions in Supply Chains <ul style="list-style-type: none"> The role of Sourcing 3PL and 4PL Supplier Selection Risk management In Sourcing 	LO 4	Chapter 15
12	Transportation in Supply Chain <ul style="list-style-type: none"> Design Options for Transportation Networks Trade-offs in Transportation design Devising a strategy for transportation 	LO 2, LO 3	Chapter 14
13	Emerging Issues in Supply Chain Management	LO 2, LO 3	

Academic Integrity:

Utmost care is taken as to maintain class decorum, follow the exact evaluation norms, conduct fair examinations, fair and transparent evaluation of examination papers so as to maintain the highest academic integrity.

Other remarks:

1. Finish all your personal needs before coming to class.
2. Be in class on time, no latecomers will be entertained after the roll call.
3. Cell phones should remain switched off during the entire duration of the class.
4. No laptops are allowed inside the class unless instructed by the instructor.
5. No request will be entertained to change the class project, once finalized by the group.
6. Institute's manual laid down policies will be followed regarding academic integrity.