

## **DSE IV: MDG 604: INTERNATIONAL SUPPLY CHAIN MANAGEMENT**

### **Course Objective:**

To familiarize the students with the essential elements of the Supply Chain Management. Strategic issues in the International Supply Chain Management and logistics network configuration along with performance measurement and evaluation shall be studied thoroughly.

### **Learning Outcomes:**

- Understand and analyze operations and supply chain management issues in a firm.
- Analyze the global business environment.
- learn the integration of business processes across organizations
- Learn to create models that help businesses determine the supply chain and operations processes, adding value to the company and supporting outstanding customer service.

### **Course Contents:**

#### **Unit I**

**(3 Weeks)**

Introduction to Supply Chain Management - Concepts, Objectives and functions of Supply Chain Management, Issues in Supply Chain Management; Managing networks and relationships; Sourcing Internationally, International Distribution Management: Types of Intermediaries, Channel Selection and Management.

#### **References:**

Rushton, A., Croucher, P. and Peter Baker: Handbook of Logistics and Distribution Management, Kogan Page Pub , 4<sup>th</sup> edition, (Chapter 4, 32)

Christopher Martin: Logistics and Supply Chain Management, Creating Value-adding Networks, Pearson Education , 4<sup>th</sup> edition, (Chapter 1, 9,11)

Chopra Sunil and Meindl Peter: Supply Chain Management, Pearson Education, (Chapter 1, 2, 3,4,5)

#### **Unit II**

**(3 Weeks)**

Strategic issues in Supply Chain – Strategic Partnership, Logistics Management: Concept, Objective and Scope, Transportation, Warehousing, Inventory Management, Packing & Unitization, Control & Communication, Role of Information Technology in Logistics, Logistics Service Firms, Third Party Logistics, 4PL(Fourth Party Logistics), Reverse Logistics.

## **INTERNATIONAL SUPPLY CHAIN MANAGEMENT**

### **References:**

Rushton, A., Croucher, P. and Peter Baker: Handbook of Logistics and Distribution Management, Kogan Page Pub , 4<sup>th</sup> edition, (Chapter 1,12,13,31,36)

Christopher Martin: Logistics and Supply Chain Management, Creating Value-adding Networks, Pearson Education , 4<sup>th</sup> edition, (Chapter 11)

Chopra Sunil and Meindl Peter: Supply Chain Management, Pearson Education, (Chapter 11,14,15,17)

### **Unit III**

**(3 Weeks)**

Logistics Network Design for Global Operations Global Logistics Network Configuration, Orienting International Facilities: Considerations and Framework, Trade-offs Associated with each Approach, Mapping the different Approaches, Capacity Expansion Issues; Information Management for Global Logistics: Characteristics of Logistics Information and Telecommunication Systems, Capabilities and Limitations.

### **References:**

Chopra Sunil and Meindl Peter: Supply Chain Management, Pearson Education, (Chapter 5,6,8)

### **Unit IV**

**(3 Weeks)**

Performance Measurement and Evaluation in Global Logistics: Operations and Logistics Control: Key Activities Performance Information, Measuring Performance in Functional Integration, Measuring Performance in Sectoral Integration, SCOR Model.

Global Supply Chain: Societal, business, cultural contexts and impact. Perspectives for business, social science, engineering, and legal environment, Drivers for economic globalization (labor costs, resources, regulation, etc.), Influence on world and national economies

### **References:**

Rushton, A., Croucher, P. and Peter Baker: Handbook of Logistics and Distribution Management, Kogan Page Pub , 4<sup>th</sup> edition, (Chapter 29)

## **INTERNATIONAL SUPPLY CHAIN MANAGEMENT**

Christopher Martin: Logistics and Supply Chain Management, Creating Value-adding Networks, Pearson Education , 4<sup>th</sup> edition, (Chapter 9)

### **Textbooks:**

1. Rushton, A., Croucher, P. and Peter Baker: Handbook of Logistics and Distribution Management, Kogan Page Pub , 4<sup>th</sup> edition
2. Christopher Martin: Logistics and Supply Chain Management, Creating Value-adding Networks, Pearson Education , 4<sup>th</sup> edition
3. Chopra Sunil and Meindl Peter: Supply Chain Management, Pearson Education

### **Additional Readings:**

1. Ballou, R. H.: Business Logistic Management, Prentice Hall.
2. Bowersox, D. J., David, J & Cooper: Supply Chain Logistics Management. McGraw Hill
3. Alan Harrison, Remko Van Hook: Logistics Management and Strategy-Competing Through the Supply Chain, Pearson Education.

(Latest Edition may be used)

### **Teaching Learning Process:**

The teaching learning process will consist of imparting key concepts of supply chain to the students. To make the lectures interesting use of PPTs and audio visual presentation is advisable as and when needed. The students should be encouraged to attempt real life business/ managerial problems through projects and case studies.

### **Assessment Methods:**

Assessment of the students will take place on a continuous evaluation basis. It will primarily consist of class test, assignment, case studies, presentation and attendance.

Internal Assessment: 25 marks (including 5 marks for attendance)

End term written examination: 75 marks

### **Keywords:**

Supply chain, subcontracting, Distribution, Retailer- supplier partnership, Inventory Management, Logistics, Functional Integration, Sectoral Integration