



GUJARAT TECHNOLOGICAL UNIVERSITY

Syllabus for Master of Business Administration (Part-Time), 6th Semester

Subject Class: Sectoral Elective

Subject Name: Global Supply Chain Management (GLSCM)

Subject Code: 4569985

With effective
from academic
year 2018-19

1. Learning Outcomes:

Learning Outcome Component	Learning Outcome (Learner will be able to)
Business Environment and Domain Knowledge (BEDK)	<ul style="list-style-type: none"> • <i>Evaluate</i> relevance of logistics and supply chain management in international trade. • <i>Identify</i> and chart a global company's key business functions, business processes, and stakeholders.
Critical thinking, Business Analysis, Problem Solving and Innovative Solutions (CBPI)	<ul style="list-style-type: none"> • <i>Identify</i> and calculate global supply chain cost drivers. • <i>Examine</i> the levels of risk, efficiency, and sustainability of a supply chain.
Global Exposure and Cross-Cultural Understanding (GECCU)	<ul style="list-style-type: none"> • <i>Analyze</i> interruptions in the global supply chain affect business and how to minimize the negative effects. • <i>Examine</i> how world-class companies encourage collaboration among international business partners.
Social Responsiveness and Ethics (SRE)	<ul style="list-style-type: none"> • <i>Defend</i> ethical choices of strategy in international trade.
Effective Communication (EC)	<ul style="list-style-type: none"> • <i>Communicate</i> effectively in oral and written forms about international supply chain management using appropriate concepts, logic and rhetorical convention.
Leadership and Teamwork (LT)	<ul style="list-style-type: none"> • <i>Recommend</i> improvement along the dimensions of efficiency, quality and speed, and improved team-work capability to cooperate with others to solve business operations problems in supply chain management. • <i>Garner</i> managerial insights for various supply chain issues in a variety of industry contexts.

2. **Course Duration:** The course duration is of **40 sessions of 60 minutes each.**

3. Course Contents:

Module No:	Contents	No. of Sessions	70 Marks (External Evaluation)
I	<p>International Logistics and Supply Chain Management:</p> <ul style="list-style-type: none"> • International Logistics • Difference between domestic and international logistics • International Supply Chain • International Reverse Logistics • Factors driving global SCM <p>International Infrastructure:</p> <ul style="list-style-type: none"> • Transportation infrastructure • Port infrastructure • Canals and waterways infrastructure • Airport infrastructure • Rail and road infrastructure • Warehousing infrastructure • Communications infrastructure 	10	18



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	<ul style="list-style-type: none"> • Logistics infrastructure 		
II	<p>Global Logistics and Transport Management:</p> <ul style="list-style-type: none"> • Global logistics chain • Choosing the logistics operator • Containerization, types of containers, container classification, FCL and LTL • Intermediaries <ul style="list-style-type: none"> ○ Customs brokers, Freight forwarders, consolidators, Customs House Agents, shipping agents, shippers, airlines, air integrators, ports. • Container Freight Stations and Inland Container Depot • Global Ocean transportation <ul style="list-style-type: none"> ○ Types of service ○ Size of vessels ○ Type of vessels / ships ○ Flag ○ Cargo inspections ○ Shipping Conference Carrier, conference shipping and non-conference shipping ○ Ocean Freight rates and calculations ○ Freight Adjustments <ul style="list-style-type: none"> ▪ Currency Adjustment Factor ▪ Bunker Adjustment Factor ○ Important Sea Routes <ul style="list-style-type: none"> ▪ North Atlantic, Mediterranean, Indian Ocean, Panama Canal, Cape Route, Suez Canal, South Atlantic ○ Major sea ports of India, World, Port Codes • Global Air transportation <ul style="list-style-type: none"> ○ Cargo airlines ○ Types of service ○ Types of aircraft, Unit Load Devices ○ Air freight tariff ○ Air carriers ○ TIACA – role, tariff structures ○ International air cargo security ○ Role of IATA 	10	18
III	<p>Global Logistics and Transport Management:</p> <ul style="list-style-type: none"> • Global land and multimodal transportation <ul style="list-style-type: none"> ○ Truck transportation ○ Rail transportation ○ Intermodal transportation ○ Pipelines <p>Packaging and Warehousing:</p> <ul style="list-style-type: none"> • Packaging 	10	17



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	<ul style="list-style-type: none"> ○ Functions and objectives ○ Material requirements for ocean and air cargo ○ Markings ○ Legal issues in packaging ● Warehousing <ul style="list-style-type: none"> ○ Warehouse functions ○ Warehouse ownership ○ Warehouse activities ○ Warehouse locations <p>Information and Communication Technology:</p> <ul style="list-style-type: none"> ● IT and cost efficiency ● Digital transformation of Supply Chain 		
IV	<p>Global Supply Chain Finance (in brief)</p> <p>Network Design of Global Supply Chains</p> <ul style="list-style-type: none"> ● Network flow models <p>Contemporary Issues:</p> <ul style="list-style-type: none"> ● Supply Chain Risks ● Supply Chain Analytics ● Supply Chain Sustainability 	10	17
V	<p>Practical:</p> <ul style="list-style-type: none"> ● Use case studies of world class manufacturing companies. ● Students can simulate process improvements in their surroundings. Students can also carry out projects in organizations which have implemented Six Sigma. ● Students can also undertake Kaizen and 5S projects in small SMEs or service organizations. 	---	(30 marks CEC)

4. Pedagogy:

- ICT enabled Classroom teaching
- Case study
- Practical / live assignment
- Interactive class room discussions

5. Evaluation:

Students shall be evaluated on the following components:

	Internal Evaluation	(Internal Assessment- 50 Marks)
A	● Continuous Evaluation Component	30 marks
	● Class Presence & Participation	10 marks
	● Quiz	10 marks
B	Mid-Semester examination	(Internal Assessment-30 Marks)
C	End –Semester Examination	(External Assessment-70 Marks)



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6. Reference Books:

No.	Author	Name of the Book	Publisher	Year of Publication / Edition
1	Alan E. Branch	Global Supply Chain Management and International Logistics	Routledge	2009 / 1 st
2	Pierre A. David	International Logistics	Cicero	2017 / 5 th
3	S. Sudalaimuthu, S. Anthony Raj	Logistics Management for International Business: Text and Cases	PHI	2009
4	Ram Singh	International Trade Logistics	Oxford	2015 / 1 st
5	Michael Hugos	Essentials of Supply Chain Management	Wiley	2018 / 4 th
6	John Mangan, Chandra L. Lalwani	Global Logistics and Supply Chain Management	Wiley	2016 / 3 rd
7	Sunil Chopra	Supply Chain Management	Pearson	2019 / 7 th

Note: Wherever the standard books are not available for the topic appropriate print and online resources, journals and books published by different authors may be prescribed.

7. List of Journals/Periodicals/Magazines/Newspapers / Web resources, etc.

1. Operations and Supply Chain Management
2. International Journal of Physical Distribution and Logistics Management
3. Global Supply Chain Management
4. EXIM Newsletter
5. <http://eximin.net/>
6. Daily Shipping Times: www.dst.news
7. <https://shippingandfreightresource.com/>
8. <https://incodocs.com/>