GANPAT UNIVERSITY									
FACULTY OF MANAGEMENT STUDIES									
Programme	Master of Business Administration					Branch/Spec.	International Business		
Semester						Version	1.0.0.0		
Effective from Academic Year			2021-22			Effective for the batch Admitted in			June 2020
Subject code	**IIIA11CMT**		Subject Name			**CONTAINERISATION AND MULTIMODAL TRANSPORT**			
Teaching scheme						Examination scheme (Marks)			
(Per week)	Lecture(DT)		Practical(Lab.)		Total		CE	SEE	Total
	L	TU	P	TW					
Credit	4	0	0	0	4	Theory	60	40	100
Hours	4	0	0	0	4	Practical	-	-	-

Pre-requisites: Knowledge of general subjects of MBA

Objectives: This subject is tailored to deliver theoretical and practical knowledge in handling methods, transportation modes and various conventions pertaining to carriage of cargo. Containerisation is taught in the perspective of growing importance of transportation in world trade.

Learning Outcomes:

On successful completion of this subject the student will be able to :

- IIIA11CMT.CO1: Understand the fundamental concepts of containerization, types of containers, terminal operations, and equipment used for both containerized and non-containerized cargo.
- IIIA11CMT.CO2: Apply various types of cargo, packing and marking methods, stowage principles, and compliance with international cargo handling and IMDG safety codes.
- IIIA11CMT.CO3: Analyze multimodal transport operations across various modes—sea, road, rail, and air—and assess roles of intermediaries such as freight forwarders, NVOCCs, ICDs, and CFSs in logistics efficiency.
- IIIA11CMT.CO4: Evaluate international conventions and legal frameworks governing multimodal transport, including cargo liability and conventions related to Bills of Lading and dangerous goods.

Theory syllabus

Unit	Content	Hrs
1	Basic Concepts of Containersation Meaning - Major Container Trades - Container Operators - Container Ships - Terminal - Consideration of Container Terminal Planning - Container Distribution – Container types - ISO Container Dimension by types - Non- Containerisable cargo - Features of Containerization - Equipment for non-containerisable cargo.	15
2	Cargoes International Trade Distribution - Stowage: Meaning - Stowage of cargo – Factor Consideration - Types of cargo - Characteristics - Cargo and Container handling equipment - Types of Packing- Marking of cargo - Dangerous Cargo - IMDG Code – Classes. Warehousing, Unitization and Palletization.	15
3	Multi-Modalism Multi-modal Trade Routes - Evolution - Basic Intermodal System - Modal Interface - Factors outline why shipper favour Multi-modalism - Factors in Development - Features -Multi-Modalism Strategy – Components.	15
4	Physical Multimodal Operations Liners - Tramps - Specialized Vessels - Terms - Road transport vehicle – Road Transport Weight and Measurement - Rail Transport Vehicle and Equipment – Air Transport - Ports - LCL - FCL - NVOCC - Freight forwarders - Consolidator - ICD - CFS- Free Trade Area - SEZ - Factors affecting mode and route choice. Conventions Relating to Multimodal Transport	15

	Cargo Liability Convention: International Conventions relating to Bill of Lading (The Hague and Hague/Visby Rules - Hamburg Rule - Convention relating to Through Transport operation by Land, Rail, Air - Conventions relation to Dangerous Cargo - Carriage of Perishable Goods - International Convention for safe containers 1972 (CSC).	
Practical content		
Text Books		
1	ALAN E BRANCH & MICHAEL ROBARTS (2014) Branch's Elements of Shipping. 9th Edition, Routledge Publication.	
Reference Books		
1	CLAUS, HYLDAGER (2013) Logistics and Multi-modal Transport. 2013 Edition, Institute of Charted Shipbrokers.	
2	HARIHARAN, K. V. (2002) A Text Book on Containerization and Multimodal Transport. Shroff Publishers and Distributors: New Delhi	
3	HARIHARAN, K. V. (2002) Containerisation, Multimodal Transport and Infrastructure Development in India. 5th edition, Shroff Publishers and Distributors Pvt. Ltd.	

Mapping of CO with PO and PSO:

Semester 3: Course Name: IIIA11CMT CONTAINERISATION AND MULTIMODAL TRANSPORT							
Course outcomes	**PO1**	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**
IIIA11CMT.CO1	3	2	1	3	1	2	0
IIIA11CMT.CO2	3	2	2	3	2	3	1
IIIA11CMT .CO3	2	3	2	3	3	2	1
IIIA11CMT .CO4	1	2	3	3	1	3	2

Semester 3: Course Name: IIIA11CMT CONTAINERISATION AND MULTIMODAL TRANSPORT			
Curse Outcomes	**PSO - 1**	**PSO - 2**	**PSO - 3**
IIIA11CMT.CO1	3	1	2
IIIA11CMT.CO2	2	3	1
IIIA11CMT .CO3	3	3	2
IIIA11CMT .CO4	2	3	3