C P PATEL AND F H SHAH COMMERCE COLLEGE, ANAND
(AUTONOMOUS)

(Managed by Sardar Patel Education Trust, Anand)
(Affiliated to Sardar Patel University, Vallabh Vidyanagar)
NAAC Reaccredited CGPA – 3.30 – Grade A+

Revised Syllabus as per NEP 2020 with effect from the Academic Year 2026-2027

Bachelor of Commerce (BCOM)
Semester – I

Course Code	UB1MDCOM05	Title of the Course	MATERIALS MANAGEMENT
Total Credits	04 Credits	Hours per Week	04 Hours / Week

Course Learning Outcomes (CLOs)	
CLO 1	Explain the concepts, nature, characteristics, objectives, and scope of materials management, classify different types of materials, and apply materials management principles in business organizations.
CLO 2	Describe purchasing concepts and objectives, examine purchasing procedures and principles, differentiate centralized and decentralized purchasing methods, and implement appropriate purchasing practices in managerial situations.
CLO 3	Outline the concepts and objectives of supply chain management, interpret production and distribution systems, assess the role of logistics and material flow in supply chain operations, and demonstrate effective supply chain coordination practices.
CLO 4	Summarize inventory and storage management concepts, identify functions and objectives of inventory control, distinguish storekeeping and warehousing practices, and evaluate modern trends in materials management for organizational effectiveness.

Course Content		
Unit No.	**Description**	**Weightage (%)**
1.	**Introduction to Materials Management** • Meaning and Definition of Materials Management • Nature and Characteristics of Materials Management • Classification of Materials • Objectives of Material Management • Importance and Scope of Materials Management	**25%**
2.	**Purchasing** • Meaning and Definition of Purchasing • Objectives of Purchasing • Importance of Purchasing • Principles of Purchasing, Purchasing • Procedure of Purchasing • Centralized and Decentralized Purchasing Methods	**25%**
3.	**Supply Chain Management** • Concept and objectives of supply chain • Production and distribution system • Role and Management of the flow of material in supply chain	**25%**

	management. • Logistics Management (Basic Concept) • Importance of Supply Chain Coordination	
4.	**Inventory & Storage Management** • Meaning and Definition of Inventory Control • Functions of Inventory Control • Objectives of Inventory Control • Importance of Inventory Control • Storekeeping: Meaning and Functions • Warehousing: Meaning and Importance • Modern Trends in Materials Management (Overview of JIT, ERP, Barcoding and Green Supply Chain)	**25%**

Teaching – Learning Methodology
The course will be taught through learner-centered and activity-based teaching methods to enhance conceptual understanding and practical managerial skills. The methodology will include: • Interactive Lectures • ICT-enabled Teaching and Learning • Case-based Learning • Group Discussions • Experiential Learning • Project-based Learning • Problem-solving Exercises • Industry-oriented Practical Discussions

Examination Evaluation Pattern		
Sr. No.	**Particulars**	**Weightage (%)**
01	Continuous and Comprehensive Evaluation (CCE) (Formative Assessment)	50%
02	Semester End Evaluation (SEE) (Summative Assessment)	50%
	TOTAL	**100%**

Specifications for CCE and SEE			
Sr. No.	**Details of the Evaluation Pattern**		**Marks**
01	Continuous and Comprehensive Evaluation (CCE) (Formative Assessment)		
	A	Assignments	10
	B	Active Learning Activities	05
	C	Attendance	05
	D	Written Examination (01 Hour)	30
		(A + B + C + D)	50 Marks
02	Semester End Evaluation (SEE) (Summative Assessment)		
	E	Written Examination (02 Hour)	**50 Marks**
		TOTAL (For 04 Credit Courses)	**100 Marks**

Rubrics – Based Assessment for Assignments (10 Marks)		
Excellent	09 – 10 Marks	Accurate, error-free, logically presented, timely submission
Good	07 – 08 Marks	Minor errors and good conceptual clarity
Average	05 – 06 Marks	Basic understanding or partially correct
Basic	03 – 04 Marks	Limited clarity, noticeable mistakes, incomplete content
Poor	01 – 02 Marks	Inadequate conceptual clarity, incorrect content
Below Poor	Zero Marks / NA	Content is irrelevant / Not Attempted / Not Submitted
Note: • Assignments may be taken in forms of written project, computerized and online suggested courses/certificates as per the decision made by the respective faculties of the courses.		

Rubrics – Based Assessment for Active Learning Activities (05 Marks)		
Excellent	05 Marks	Explanation is clear, detailed, and covered all keys
Good	04 Marks	Good conceptual clarity, minor details may be missing
Average	03 Marks	Basic explanation or partially correct
Basic	02 Marks	Limited clarity, noticeable mistakes, lacks depth
Poor	01 Mark	Poorly presented or not understandable
Below Poor	Zero / NA	Content is irrelevant / Not Attempted / Not Submitted
Note: • Active Learning Activities may be taken in forms of classwork, viva, oral presentations, PowerPoint presentations, role play, collaborative problem solving, debates, group discussions, online tests, Q&A, case studies, etc. as per the decision made by the respective faculties of the courses.		

Rubrics – Based Assessment for Attendance (05 Marks)		
As per the Rules and Regulations provided by the Academic Section of Sardar Patel University, Vallabh Vidyanagar, for the students studying in all departments and colleges. Reference No.: E – 3 / 3127; dated: 07-03-2024. https://www.spuvvn.edu/orbit-cdn/uploads/circulars/Circular-NEP-InternalExamMarks-March-April24.pdf		
Excellent	05 Marks	more than 90% (Minimum 54 Hours for 04 Credits Courses)
Good	04 Marks	80% - 89% (48 to 53 Hours for 04 Credit Courses)
Average	03 Marks	70% - 79% (42 to 47 Hours for 04 Credit Courses)
Poor	Zero / NA	Less than 70% (**NOT ELIGIBLE TO APPEAR FOR EXAM)**
Note: • Students with below 70% of attendance must submit their written application to their respective class coordinators with genuine reasons and evidence (in case of working or medical emergencies). Students must not pursue dual degree programmes that clash with the college's timings.		

Rubrics – Based Assessment for Mid-Semester Examination (30 Marks)		
ANY TWO UNITS OR 50% OF THE SYLLABUS - 15 Marks Each Question		
Excellent	13 – 15 Marks	Clear and deep explanation of materials management concepts with excellent understanding of purchasing, supply chain, inventory, and storage management practices;

		effective use of managerial terminology, proper grammar and vocabulary, well-structured paragraphs, logical sequencing of statements, analytical presentation, and negligible errors.
Good	10 – 12 Marks	Good understanding of materials management concepts with clear explanation of purchasing, logistics, and inventory practices; appropriate grammar and vocabulary, organized presentation, logical flow of ideas, and few minor errors.
Average	07 – 09 Marks	Basic understanding of materials management concepts with satisfactory explanation of subject matter; acceptable grammar and vocabulary, partially organized paragraphs, moderate logical flow, and noticeable errors.
Basic	04 – 06 Marks	Limited understanding of concepts related to materials management, purchasing, supply chain, and inventory control; weak explanation, improper organization, limited analytical ability, and several grammatical and conceptual errors.
Poor	01 – 03 Marks	Inadequate understanding of materials management concepts with unclear explanation, poor presentation, improper grammar and vocabulary, lack of coherence, and major conceptual errors.
Below Poor	Zero Marks / NA	Completely irrelevant or Not Attempted
Note: • Written Examination questions will be based on various levels of Revised Bloom's Taxonomy.		

Rubrics – Based Evaluation Pattern for End-Semester Examination (50 Marks)		
Multiple Choice Questions (10 Marks) – 01 Mark Each from all Units		
Excellent	01 Mark	The chosen option is correct, no errors in response
Below Poor	Zero Marks / NA	Chosen option is incorrect, completely irrelevant, multiple options chosen / Not Attempted
UNIT I - 10 Marks Each Question		
Excellent	09 – 10 Marks	Clear and deep explanation of materials management concepts including nature, scope, objectives, and classification of materials; demonstrates strong conceptual understanding, proper use of managerial terminology, logical sequencing of statements, coherent paragraph structure, and negligible errors.
Good	07 – 08 Marks	Good understanding with minor omissions, addresses key concepts of materials management clearly, presents an organized explanation with logical flow, and contains few grammatical or conceptual errors that do not affect meaning.
Average	05 – 06 Marks	Basic understanding of materials management concepts with partially explained key points, limited analytical presentation, weak organization in some areas, and noticeable errors affecting clarity.

Basic	03 – 04 Marks	Very limited understanding of concepts; explanations lack depth and clarity, poor organization of ideas, weak logical flow, and frequent conceptual or grammatical errors that hinder understanding.
Poor	01 – 02 Marks	Incorrect or unclear explanation of materials management concepts, fails to address core topics, lacks logical analysis and coherent structure, and contains severe language and conceptual errors.
Below Poor	Zero Marks / NA	Completely irrelevant or Not Attempted
UNIT II - 10 Marks Each Question		
Excellent	09 – 10 Marks	Demonstrates thorough understanding of purchasing concepts, principles, procedures, and purchasing methods; applies managerial terminology accurately, presents well-structured and analytical answers with logical sequencing, and shows negligible errors.
Good	07 – 08 Marks	Good understanding with minor omissions, explains purchasing concepts and procedures clearly, maintains logical flow and organized structure, and contains few minor grammatical or conceptual errors.
Average	05 – 06 Marks	Demonstrates basic understanding of purchasing practices with partially explained concepts, limited application and organization, and noticeable grammatical or conceptual errors.
Basic	03 – 04 Marks	Very limited understanding of purchasing concepts and methods, explanations lack clarity and depth, weak organization, confusing presentation, and frequent errors affecting understanding.
Poor	01 – 02 Marks	Incorrect or unclear explanation of purchasing concepts, fails to address important aspects, lacks coherence and analytical presentation, and contains severe errors.
Below Poor	Zero Marks / NA	Completely irrelevant or Not Attempted
UNIT III - 10 Marks Each Question		
Excellent	09 – 10 Marks	Demonstrates comprehensive understanding of supply chain management, logistics, production and distribution systems, and material flow management; presents analytical and logically sequenced explanation with strong conceptual clarity and negligible errors.
Good	07 – 08 Marks	Good understanding with minor omissions, explains supply chain and logistics concepts clearly, maintains proper organization and logical flow, and contains few minor errors.
Average	05 – 06 Marks	Basic comprehension of supply chain management concepts with partially explained ideas, limited analytical depth, weak transitions, and noticeable errors.
Basic	03 – 04 Marks	Very limited understanding of logistics and supply chain

		concepts, poorly organized explanation, weak conceptual clarity, and frequent grammatical or conceptual errors.
Poor	01 – 02 Marks	Incorrect or unclear explanation of supply chain concepts, lacks logical presentation and conceptual understanding, and contains major errors.
Below Poor	Zero Marks / NA	Completely irrelevant or not attempted.
UNIT IV - 10 Marks Each Question		
Excellent	09 – 10 Marks	Clear and comprehensive explanation of inventory control, storekeeping, warehousing, and modern trends in materials management; demonstrates excellent conceptual understanding, analytical presentation, logical sequencing of ideas, coherent structure, and negligible errors.
Good	07 – 08 Marks	Good understanding with minor omissions, explains inventory and storage management concepts clearly, maintains organized presentation and logical flow, and contains few minor errors.
Average	05 – 06 Marks	Demonstrates basic understanding with partially explained concepts, weak organization in some areas, and noticeable conceptual or grammatical errors.
Basic	03 – 04 Marks	Very limited understanding of inventory and storage management concepts, lacks clarity and logical organization, and contains frequent errors affecting understanding.
Poor	01 – 02 Marks	Incorrect or unclear explanation, fails to address important concepts, lacks coherent structure and analytical presentation, and contains severe conceptual and grammatical errors.
Below Poor	Zero Marks / NA	Completely irrelevant or not attempted.

Note:
- Multiple Choice Questions of 10 Marks will be based on Bloom's Taxonomy Level 1 & 2.
- Written Examination questions will be based on various levels of Revised Bloom's Taxonomy.

PLO – CLO Mapping										
	Materials Management									
	PLO 1	PLO 2	PLO 3	PLO 4	PLO 5	PLO 6	PLO 7	PLO 8	PLO 9	PLO 10
CLO 1	3	2	2	1	1	1	0	1	1	1
CLO 2	2	3	3	1	2	1	0	1	0	2
CLO 3	2	3	3	2	2	1	1	1	1	3
CLO 4	2	2	3	2	2	2	0	1	3	2

Note:
- High: **03**; Moderate: **02**; Low: **01**; No Mapping: **00**

Suggested References and E-Resources for Further Reading
• Materials Management – Varma M M – Sultan Chand and Sons • Materials Management – Chitale & Gupta – Prentice Hall • Materials Management – P Gopalakrishnan – PHI, 2002 • Materials Management – N K Nair • Factory Management – K G Lockyer • Production management- H.N. Broom • P. Saravanavel and S. Sumathi, Production and Materials Management, Margham Publications, 2015 • M.M Verma, Materials Management, Sultan Chand Publications, 2012. • E-Resource for Self-Learning: https://nptel.ac.in/courses/110105095 https://archive.nptel.ac.in/courses/110/105/110105095/ https://onlinecourses.swayam2.ac.in/ugc19_hs51/preview

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