

AC –11-03-2025

Item No.-04

Approved by the BOS in Bachelor of Commerce (Management Studies) on 06-03-2025 Item No. 03

As Per NEP 2020

Tolani College of Commerce(Autonomous)



Knowledge is Supreme

Title of the Course: Materials Management

Programme: Bachelor Management Studies Semester-VI

Syllabus for 4 credits

From the academic year 2025 - 2026

Name of the Course: Materials Management

Sr. No.	Heading	Particulars
1	Description the course:	The course Materials Management refers to the systematic process of organizing, distributing, updating, and maintaining educational resources required for effective teaching and learning. This process is crucial for educational institutions, instructors, and students to ensure that learning materials are accessible, up-to-date, and aligned with course objectives.
2	Vertical:	Major
3	Type:	Theory
4	Credit:	4
5	Hours Allotted:	60
6	Marks Allotted:	100 Continues Evaluation 40 Marks Semester End Examination 60 Marks
7	Course Objectives:	<ol style="list-style-type: none">1. To help Students to understand basic Principles and concept of material Management2. To orient students on contemporary development in the field of material management3. To develop competencies and knowledge of students to become effective professionals4. To understand the concept of Quality and Cost Management
8	Course Outcomes:	<ol style="list-style-type: none">1. Learners apply the knowledge about material management in the real-life business situation2. Learners understand the contemporary practices followed in the field of Materials Management3. Learners enhance their managerial ability and professional skills4. Learners Learn about quality control measures, industry standards, and best practices in material handling.

9

Modules**Module 1: Introduction to Material Management (15 Hours)**

- Introduction: Materials Management - Evolution, Importance, Scope and Objectives-
- Interface with other functions. -Supply Chain Management -Objectives- Components,
- Trade off Customer Service & Cost. Supply Chain Analytics.

Module 2: Strategic Purchasing and Vendor Relationship Management (15 Hours)

- Purchasing: purchasing and procurement activities under Materials management
- Purchasing Methods- Purchasing and quality Assurance
- Purchase Cycle – governmental purchasing practices and procedures - Negotiation & Bargaining – Vendor relations

Module 3: Inventory Optimization and Forecasting (15 Hours)

- Inventory - Need of Inventory -Types of Inventory
- Basic EOQ Model - EOQ with discounts – Different types of Analysis.
- Forecasting –methods of forecasting-Material Requirement Planning (MRP) -Input and output of MRP system-BOM Explosion -MRP II.

Module 4 : Quality and Cost Management in Materials Handling & Effective Stores and Materials Handling Management (15 Hours)

- Quality control of material: Incoming material quality control- statistical quality control (Various control charts)- Inventory control & Cost Reduction techniques.
- Value Analysis & Value Engineering. Standardization – need and importance. Codification - concept, benefits.
- Stores - Functions- Stores layout -documentation- Materials handling and storage systems, - Principles of Materials Handling system – Safety issues

10	References:					
	<ul style="list-style-type: none"> • Course Material Prepared by LSC • Materials management: procedures, text and cases - A.K. Datta • Materials management: An integrated approach - P. Gopalakrishnan • Introduction to Materials management - J.R. Tony Arnold & Stephen N. Chapman • Purchasing and Materials Management - K S Menon • Handbook of Materials Management – Gopalakrishnan 					
11	Internal Continuous Assessment: 40%	Semester End Examination: 60%				
12	Continuous Evaluation through: (40 Marks)					
	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 60%;">Component</th> <th style="width: 40%;">Total Marks</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">Assignment/Case Studies/Book Review/ News Analysis/Presentation/ /Project/ Class Test</td> <td style="text-align: center;">40 Marks</td> </tr> </tbody> </table>		Component	Total Marks	Assignment/Case Studies/Book Review/ News Analysis/Presentation/ /Project/ Class Test	40 Marks
Component	Total Marks					
Assignment/Case Studies/Book Review/ News Analysis/Presentation/ /Project/ Class Test	40 Marks					

13	Format of Question Paper: for the final examination Question Paper Pattern for Semester End Examination (SEE) Maximum Marks: 60 Duration:2 Hour		
	Q. No.	Particular	Marks
	Q-1	Attempt any TWO the following: (Module 1) A. Full Length Question B. Full Length Question C. Full Length Question	15 Marks
	Q-2	Attempt any TWO the following: (Module 2) A. Full Length Question B. Full Length Question C. Full Length Question	15 Marks
	Q-3	Attempt any TWO the following: (Module 3) A. Full Length Question B. Full Length Question C. Full Length Question	15 Marks
	Q-4	Attempt any TWO the following: (Module 4) A. Full Length Question B. Full Length Question C. Full Length Question	15 Marks
	Note: Any of the full length question of 7.5 Marks can be a case study.		

Signatures of Team Members

Sr. No	Name	Signature
1.	Dr. Sadhana Venkatesh	
2.	Ms. Shalini Clayton	
3.	Ms. Ashiyana Patel	
4.	Ms. Ranjeeta Rahul Prajapati	