



**Dr. V. N. Bedekar Institute of Management, Thane**  
**Teaching Plan (MMS/PGDM)**  
**Academic Year (2016-2017)**

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Programme Name: MMS / PGDM: MMS

Name of the Course: Materials Management & Transportation

Maximum marks: 100

No. of Sessions: 15

Name of the Faculty: Ms. Vibhuti Save

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Weblink:

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**Learning Objectives:**

- Be developed to operate accurately, delivering the right materials in the right quantities to the right locations
  - Be designed to deliver materials without damage
  - To maintain a high inventory turnover , by reducing excess storage , carrying costs and inventory losses occurring due to deteriorations , obsolescence and pilferage
  - To minimize the overall cost of acquisition by improving the efficiency of operations and procedures
  - To develop and maintain good supplier relationships in order to create a supplier attitude and desire furnish the organisation with new ideas , products, and better prices and service
  - To maintain good records and controls that provide an audit trail and ensure efficiency and honesty
  - To participate in Make or Buy decisions
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**Reference Books:**

1. Materials and Logistics Management By Prof. L.C. Jhamb (Everest Publishing House, Pune).
  2. Purchasing and Materials Management By P.Gopalkrishnan (Tata McGraw Hill, New Delhi).
  3. Materials Management –An integrated approach By P.Gopalkrishnan and M. Sundaresan (Prentice-Hall India, New Delhi).
  4. Materials Management-Procedures, Text and Cases By A.K. Datta (Prentice-Hall India, New (Delhi).
  5. Introduction to Materials Management By JR Tony Arnold and Stephan Chapman (Pearson Education, New Delhi) 2004 Fifth Edition.
  6. Purchasing and Materials Management By N.K.Nair (Vikas Publishing House, New (Delhi).
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**Plan:**

Session No	Topics to be covered	Books referred/ Recommended/ References-Print/Articles/ News/Research papers/ Online database/ Software /Simulations used	Learning outcomes	Evaluation of Students understanding by MCQs, Quiz, Short Test
1	Materials Management an overview	1 <sup>st</sup> chapter of Materials & Logistics Management by Prof. L.C. JHAMB	<ul style="list-style-type: none"> <li>• Functions of materials management</li> <li>• Importance of MM</li> <li>• Cost involved in MM</li> <li>• Inter-departmental relationship</li> </ul>	CLASS TEST
2	Materials Planning	2 <sup>nd</sup> chapter of Materials & Logistics Management by Prof. L.C. JHAMB	<ul style="list-style-type: none"> <li>• Techniques of MM</li> <li>• MRP</li> <li>• BOM</li> </ul>	
3	Purchasing	5 <sup>th</sup> & 6 <sup>th</sup> chapter of Materials Management –Procedures, Text & Cases by A. K. Datta	<ul style="list-style-type: none"> <li>• Purchasing principle</li> <li>• Sources of supply</li> <li>• Vendor development</li> <li>• Price-cost analysis</li> <li>• Legal aspects of purchasing</li> </ul>	
4	Purchasing & Procurement Activities under Materials Management	<ol style="list-style-type: none"> <li>1. 7<sup>th</sup> chapter of Materials Management –Procedures, Text &amp; Cases by A. K. Datta</li> <li>2. 4<sup>th</sup> chapter of Materials &amp; Logistics Management by Prof. L.C. JHAMB</li> </ol>	<ul style="list-style-type: none"> <li>• Quality assurance program</li> <li>• Buyer-supplier relationship</li> <li>• Elements of procurement cycle</li> </ul>	
5	Purchasing of Capital Equipment	14 <sup>th</sup> chapter of Materials Management –An integrated approach By P. Gopalkrishnan and M. Sundaresan	<ul style="list-style-type: none"> <li>• Evaluation of bids</li> <li>• Purchase Vs lease</li> <li>• Purchase of used equipment</li> <li>• Role of purchasing committees</li> </ul>	
6	International procurement-Imports	13 <sup>th</sup> chapter of Materials Management-Procedures, Text and	<ul style="list-style-type: none"> <li>• Import procedures and documentation</li> </ul>	



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		Cases By A.K. Datta	<ul style="list-style-type: none"> <li>• Identification of foreign sources.</li> <li>• Types of L/Cs.</li> <li>• Bill of Lading and other documents.</li> </ul>	
7	Classification of Materials	11 <sup>th</sup> chapter of Materials and Logistics Management By Prof. L.C. Jhamb	<ul style="list-style-type: none"> <li>• Classification on the basis of stage of conversion process</li> <li>• Classification on the basis of nature of materials.</li> <li>• Classification on the basis of usability of materials.</li> <li>• Types of inventories.</li> </ul>	TEST & MINI PROJECT PRESENTATION
8	Materials receipt & Stores	7 <sup>th</sup> chapter of Materials and Logistics Management By Prof. L.C. Jhamb	<ul style="list-style-type: none"> <li>• Types of stores</li> <li>• Store location and layout</li> <li>• Storing practices and identification of materials.</li> </ul>	
9	Codification	12 <sup>th</sup> chapter of Materials and Logistics Management By Prof. L.C. Jhamb	<ul style="list-style-type: none"> <li>• Benefits of codification. \</li> <li>• Stages of scientific codification.</li> <li>• Systems of codification.</li> <li>• Colour coding</li> </ul>	
10	Standardization	13 <sup>th</sup> chapter of Materials and Logistics Management By Prof. L.C. Jhamb	<ul style="list-style-type: none"> <li>• different levels of standards</li> <li>• Advantages of Standardization.</li> <li>• Standardization as a tool for variety reduction</li> </ul>	
11	Obsolete, Surplus & Scrap Management	25 <sup>th</sup> chapter of Materials Management –An integrated approach By P.Gopalkrishnan and M. Sundaresan	<ul style="list-style-type: none"> <li>• Need for Scrap yard</li> <li>• Categorization of obsolete/ surplus.</li> <li>• Control of scrap/ obsolescence.</li> <li>• Responsibility for disposal.</li> <li>• Procedures and documentation for disposal of scrap</li> </ul>	
12	Stores Accounting & Stock verification	24 <sup>th</sup> chapter of Materials Management –An integrated approach By P. Gopalkrishnan and M. Sundaresan	<ul style="list-style-type: none"> <li>• Costing of Receipt of Materials.</li> <li>• Costing of Issues to Production.</li> <li>• Stock verification</li> <li>• Periodic Verification.</li> <li>• Perpetual Verification.</li> </ul>	



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13	Computers in Materials Management	10 <sup>th</sup> chapter of Materials and Logistics Management By Prof. L.C. Jhamb	<ul style="list-style-type: none"> <li>• Database for Materials Management Systems.</li> <li>• Activities of Materials Management covered by Computerization.</li> <li>• Management reports on Materials.</li> </ul>
14	Ethics in Material Management	42 <sup>nd</sup> chapter of Purchasing and Materials Management By P. Gopalkrishnan	<ul style="list-style-type: none"> <li>• Business Ethics</li> <li>• Ethics in buying</li> <li>• Problems in Ethics</li> </ul>
15	Material Transportation	13 <sup>th</sup> chapter of Introduction to Materials Management By JR Tony Arnold and Stephan Chapman	<ul style="list-style-type: none"> <li>• Transportation Modes / Attributes</li> <li>• Total cost concept in Material Handling and Transportation</li> </ul>

**2. Practical Approach : Other activities (Atleast 4 distinct activities)**

Sr. No.	Activity Name	Topic Covered	Learning outcomes	Source
1	Role Play			
2	Industry Visit			
3	Academic Projects	Mini Projects	Practical exposure to the concepts of MM & T	Local organization
4	Book Review			
5	Group Discussion	Group Discussion on related Cases	Views on MM & T	Will submit on completion of course
6	Business Quiz / Business News sharing			
7	Videos / Simulation	Videos of Related topics	Knowledge up gradation about MM & T	Internet
8	Use of Softwares and Labs	Inventory Updating in Excel(V & H Lookup)	Learn about how to extract information from other sheet without copying the data	Excel formulas
9	Any other activity			



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**Evaluation:**

**I) Internal:**

<b>Component</b>	<b>Details</b>	<b>Marks</b>
Class Test	20 marks class test: 15 Marks MCQs & 5 Marks problem	20
Presentation	Practical Projects on Materials Management	10
Case Study	Group discussions & debates	5
Participation		
Others	Attendance	5

**Signature of Faculty**

**Signature of the Co-ordinator**