



<b>PROGRAM</b>	<b>Master of Business Administration</b>
<b>SEMESTER</b>	<b>03</b>
<b>COURSE TITLE</b>	<b>Material Management and Inventory Control</b>
<b>COURSE CODE</b>	<b>04MB0345</b>
<b>COURSE CREDITS</b>	<b>03</b>
<b>COURSE DURATION</b>	<b>42 Hrs (42 sessions of 60 minutes each)</b>

**COURSE OUTCOMES:**

- \* Have the depth knowledge of material requirement planning-methods
- \* Implement methods like EOQ, POQ in Industries and Manufacturing Sector.
- \* Analyze the demands-supply gap and forecasting practices implementation.
- \* Understand the importance of warehousing & inventory control.
- \* Evaluate the store's operation and its importance in Industries.

**COURSE CONTENTS:**

<b>Unit No</b>	<b>Unit / Sub Unit</b>	<b>Sessions</b>
<b>I</b>	Introduction to materials management –production planning system, master scheduling, material requirement planning-process, bills of material, using material requirements plan	06
<b>II</b>	Capacity management, purchasing, selecting suppliers, ordered quantity-EOQ, quantity discounts, period order quantity (POQ)	08
<b>III</b>	Physical distribution, Total quality management, production activity control, data requirements, order preparation	08
<b>IV</b>	Stock and inventories, models for known demand, just in time, models for uncertain demand- models for discrete demand, service level, periodic review methods, Planning and stocks- levels of planning, master and operational schedules, forecasting-methods,	12
<b>V</b>	Stores Management: Layout of stores and warehouse, material handling in stores, physical control of stocks : obsolete, surplus and scrap Management, accounting and record keeping of stores, classification, coding and codification systems,	08

**EVALUATION:**

The students will be evaluated on a continuous basis and broadly follow the scheme given below:

	<b>Component</b>	<b>Weightage</b>
<b>A</b>	Continuous Evaluation Component (Assignments / Quizzes / Class Participation etc.)	20% (C.E.C.)
<b>B</b>	Internal Assessment	30% (I.A.)
<b>C</b>	End-Semester Examination	50% (External Assessment)

**SUGGESTED READINGS:**
**Text Books:**

Sr. No	Author/s	Name of the Book	Publisher	Edition and Year
T-01	J. R. Tony Arnold, Stephen N. Chapman, Lloyd M. Clive	Introduction to materials Management	Pearson (prantice hall)	sixth edition
T-02	Donald waters	Inventory control and management	Wiley	Latest edition

**Reference Books:**

Sr. No	Author/s	Name of the Book	Publisher	Edition and Year
R-01	Datta A K	“Materials Management, Procedures, Text and Cases” by	PHI PUBLICATION	Latest edition
R-02	James H Greene	Production and Inventory Control Handbook	McGraw-Hill Education	3rd edition
R-03	Geoff Relph and Catherine Milner	Inventory management	Koganpage	Latest edition