



Dr Hasan Murad
School of Management
WE LEAD. OTHERS FOLLOW.

Course Title:	Material Management in Supply Chain
Course Code:	SM485
Department:	Operations and Supply Chain

HSM Vision

HSM envisions its success in the sustainable contribution that it will make to the industry, academia and research in public and private sector. HSM will lead by providing professionally competent and ethically conscious human resources engaged in the global and local context to foster socio-economic growth and sustainability for the society. HSM envisages having faculty with high research potential and a deep desire for cutting edge research including collaboration with national and international partners.

HSM Mission

Being a research-oriented and student-centric business school, we emphasize research publications in impact journals as well as state-of -the-art learning methodologies. We will prepare our students to become the future ethical business leaders and the guiding post for the society, while equipping them with the knowledge and skills required by world-class professionals. We will be the leading choice for organizations seeking highly talented human resource. HSM will foster internationalization with key stakeholders and actively work to exchange best practices with business schools across Pakistan through collaborations, workshops, conferences and other means.

COURSE DESCRIPTION

Effective material management is the key driver in enhancing the value of a supply chain. This course offers the participants an opportunity to develop their knowledge base with respect to material management in supply chains. This course presents a holistic view of flow of material

in the entire supply chain. The course enables participants to learn state of the art tools and techniques for planning and designing material management systems in supply chain. Application of these tools and techniques will enhance the competitiveness of supply chains by increasing responsiveness, and reducing the costs. The course also discusses the sustainability issues of supply chain with special focus on social and environmental sustainability, along with the economic sustainability.

PROGRAM OBJECTIVES

BBA aims to develop in participants:

1. Effective Teamwork and Leadership Skills
2. Critical Thinking and Decision Making
3. Effective Communication skills
4. Core Business Knowledge and Competence
5. Ethical Behavior and Social Responsibility
6. Industry Focus
7. Global Perspective

COURSE OBJECTIVES

Upon successful completion of this course, the participants will be able to:

1. Appreciate the important role that material management plays in supply chains
2. Plan and design effective material management systems in supply chain using state of the art tools and techniques
3. Develop a sound understanding of the issues of social and environmental sustainability of material management in supply chains

LEARNING METHODOLOGY

Inter-active Class Discussions	In-class Skill Development Exercises	Quizzes
Guest Speaker session	Case Studies & Presentations	Industrial Trip
Projects	Video clips	Graphics

TEXT BOOK

Introduction to Materials Management (8th Edition) by *Arnold, Chapman, Clive*

GRADE ASSESSMENT

Assessment Tool	Assessment Detail	Marks %
Quizzes	Out of total n quizzes, n-1 will count towards the final grade. There will be no make-up for the missed quizzes.	20%
Cases	2-3 cases will be assigned during the semester. These will require application of skills learned during the course problems that are closer to real life situations. There will be no make-up for the missed cases.	10%
Class Participation	Presence is necessary but not sufficient condition for class participation. Bringing books and writing materials, doing in-class exercises, and not showing disruptive behavior are essential components.	10%
Project	Will be due in 10 th week	20%
End-term Exam	Will be Comprehensive i.e. will cover the whole syllabus of the course	40%

Material Management in Supply Chain

CLASS POLICY

1- STUDENTS ARE REQUIRED TO READ AND UNDERSTAND ALL ITEMS OUTLINED IN THE PARTICIPANT HANDBOOK

2- ATTENDANCE

- **Be On Time**

You need to be at class at the assigned time. After 10 minutes past the assigned time, you will be marked absent.

- **Class Attendance Policy**

A minimum of 80% attendance is required for a participant to be eligible to sit in the final examination. Being sick and going to weddings are absences and will not be counted as present. You have the opportunity to use 6 absences out of 30 classes. Participants with less than 80% of attendance in a course will be given grade 'SA' (Short Attendance) and will not be allowed to take end term exams. International students who will be leaving for visa

during semester should not use any days off except for visa trip. Otherwise they could reach short attendance.

3- MOBILE POLICY

TURN OFF YOUR MOBILE PHONE! It is unprofessional to be texting or otherwise.

4- EMAIL

READ YOUR EMAILS! You are responsible if you miss a deadline because you did not read your email. Participants should check their university emails accounts regularly and respond accordingly.

5-WITHDRAW POLICY

Students may withdraw from a course till the end of the 12th week of the semester. Consequently, grade W will be awarded to the student which shall have no impact on the calculation of the GPA of the student.

6- MOODLE

UMT-LMS (Moodle) is an Open Source Course Management System (CMS), also known as a learning Management System (LMS). Participants should regularly visit the course website on MOODLE Course Management system, and fully benefit from its capabilities. If you are facing any problem using moodle, visit <http://oit.umt.edu.pk/moodle>. For further query send your queries to moodle@umt.edu.pk

7- HARASSMENT POLICY

Sexual or any other harassment is prohibited and is constituted as punishable offence. Sexual or any other harassment of any participant will not be tolerated. All actions categorized as sexual or any other harassment when done physically or verbally would also be considered as sexual harassment when done using electronic media such as computers, mobiles, internet, emails etc.

8- USE OF UNFAIR MEANS/HONESTY POLICY

Any participant found using unfair means or assisting another participant during a class test/quiz, assignments or examination would be liable to disciplinary action.

9- PLAGIARISM POLICY

All students are required to attach a "Turnitin" report on every assignment, big or small. Any student who attempts to bypass "Turnitin" will receive "F" grade which will count towards the CGPA. The participants submit the plagiarism report to the resource person with every assignment, report, project, thesis etc. If student attempts to cheat "Turnitin", he/she will receive a second "F" that will count towards the CGPA. There are special rules on plagiarism for final reports etc. all outlined in your handbook.

10- COMMUNICATION OF RESULTS

The results of quizzes and case studies are communicated to the participants during the semester and answer books are returned to them. It is the responsibility of the course instructor to keep the participants informed about his/her progress during the semester. The course instructor will inform a participant at least one week before the final examination related to his or her performance in the course.

COURSE CONTENTS

WEEK	TOPIC	CHAPTER
1	Course overview Role of Material Management in Supply Chains	1
2	Introduction to Production Planning	2
3	Master Production Schedule	3
4	Bill of Materials	4
5	Developing Material Requirement Plan (MRP)	4
6	MRP-II , Enterprise Resource Planning (ERP)	4
7	Capacity Requirement Planning	5
8	Production Activity Control	6
9	Production Activity Control - II	6
10	Production Activity Control - III	6
11	Industry Trip / Guest Speaker	
12	Purchasing	7
13	Purchasing II	7
14	<i>Case study Session</i>	
15	<i>Guest Speaker / Case study Session</i>	