

REFERENCES:

1. Manohar Prasad, "Refrigeration and Air Conditioning", 2nd ed., New Age, 2002.
2. C.P. Arora, "Refrigeration and Air Conditioning", 3rd ed., Tata McGraw Hill 2009.
3. <http://nptel.ac.in/courses/112105129/>
4. <http://nptel.ac.in/courses/112105128/>

IV Year I - Semester

L	T	P	To	C
4	0	-	4	4

MS 310 Managerial Economics**Course Description & Objectives:**

The course aims to develop student's capacity to analyze the economic environment in which business entities operate and understand how managerial decisions can vary under different constraints that each economic environment places on a manager's pursuit of it's goals, focusing on analyzing the functioning of markets and the economic behavior of firms and other economic agents.

Course Outcomes:

By the end of this course it is expected that the student will be able to:

1. *Understand nature and scope of managerial economics and its application in managerial decision making*
2. *Demand determinants, elasticity of demand and demand forecasting methods for marketing planning.*
3. *Theory of production, law of variable proportions and returns to scale*
4. *Cost analysis and cost output relationship*
5. *Types of markets and price determination*

UNIT I: Nature & Scope of Managerial Economics:

Basic tools and techniques of Business Economics, Macro Economic Environment and Managerial decisions.

UNIT – II: Demand Analysis:

Types of Demand, Demand determination Concept of Elasticity and measurement, Demand forecasting, Survey & Statistical methods.

UNIT – III: Theory of Production:

Production function, Marginal rate of technical substitution, Iso-quants and Iso-costs, production function with one/two variable factors, Law of Variable Proportions, and Returns to Scale, internal and external economies.

UNIT – IV: Cost Analysis:

Cost concepts, cost determinants, cost output relationship in the short and long run, Break-Even analysis.

UNIT-V: Markets and price determination:

Features and types of different competitive situations – Perfect competition, Monopoly, Monopolistic competition and Oligopoly, pricing methods in practice.

TEXT BOOKS:

1. Gupta: Managerial Economics, 1/e TMH, 2005
2. A.R.Arya Sri, Managerial Economics and Financial Analysis, TMH, 2/e, 2010

REFERENCES:

1. Dominic Salvatore, Managerial Economics, Thomson, 2/e, 2006
2. Mote Paull, Managerial Economics, 1/e, TMH, 2004

IV Year I - Semester

L	T	P	To	C
0	0	3	3	2

AG421 Soil and Water Conservation and Structures Lab

Course Description & Objectives:

To study the various conservation structures to be employed in adverse conditions for management of soil and water.

Course Outcomes:

Students will have practical knowledge of soil and water conservation structures with their design considerations.