

Engineering Project Management

Code	Credit Hours
OTM-455	2-0

Course Description

The course introduces students to technical management and engineering concepts and principles. Course covers principles and applications to effectively manage technical projects, people, budgets and schedules..

Text Book:

Payne, Andrew C., Chelsom, John V., and Reavill, Laurie R., Management for Engineers, John Wiley and Sons LTD, 1996. ISBN 0-4719-5603-1

Reference Book:

Dorf, Richard C., (Editor-in-Chief), the Technology Management Handbook, CRC Press and IEEE Press, 1999. ISBN 0-8493-8577-6.

Prerequisites

NIL

ASSESSMENT SYSTEM FOR THEORY

Quizzes	10%
Assignments	10%
Mid Terms	30%
ESE	50%

Teaching Plan

Week No	Topics	Learning Outcomes
1	Introduction	Course Outline, objectives, teaching plan, assessment method, concepts review
2-8	Engineering Project Management	Personality & Perception Organization Culture—including Cultural Framework Four Functions of Management Individualism vs. Collectivism Groups and Teams in the Organization Leadership
9	MID TERM EXAM	
10-17	Engineering Project Management	Power and Politics Issues in Human Resource Management Operations & management Entrepreneurship and Business Strategy Innovation and Change Production & manufacturing Techniques for evaluating and comparing projects & alternatives Presentations and Review of Material Covered
18	End Semester Exams	