

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 | |