

Course Outline

Department of Management  
School of Business and Economics

MNT 4730-3  
Business Project Management 1 (3,0,0)

**Calendar Description**

Students are introduced to the concepts and frameworks of business project management. Topics include an introduction to project management, project life-cycle management, project feasibility, project selection, project scope management, project scheduling, project costing, and project leadership and managing project teams.

**Educational Objectives/Outcomes**

Upon completion of this course, students will be able to:

1. Define a project and project management practice.
2. Explain different phases of the project life cycle.
3. Conduct a project feasibility study.
4. Apply various project selection tools and methodologies.
5. Prepare the project work break-down structure.
6. Develop a project schedule using CPM and PERT techniques.
7. Carry out project expediting by crashing the project activities.
8. Explain various project leadership styles and team motivation strategies.

**Prerequisites**

ACCT 2250; ECON 2330; MNGT 3730

**Co-requisites**

None

**Texts/Materials**

Burke, Project Management: Planning and Control Techniques, 3<sup>rd</sup> Edition, Wiley.

**Student Evaluation**

Midterm(s)	30%
Quizzes, assignments, case studies	25%
Final exam	45%

## Course Topics

1. Introduction to Project Management
  - Definition of project
  - Definition of project management
  - Role of project manager
  - Benefits of project management
  - Project management software
  - Historical developments in project management
2. Project Life Cycle Management
  - Phases of project life cycle
    - Project concept
    - Project design
    - Project implementation
    - Project commissioning
  - Facility life cycle: project life cycle and operational life cycle
    - Project maintenance
    - Project upgrade
    - Project disposal
3. Project Feasibility
  - Project stakeholder analysis
  - Assessing client needs
  - Managing project constraints
  - Project options
  - Value management
4. Project Selection
  - Project selection models
    - Payback period model
    - Return on investment model
    - Net present value model
    - Discounted cash flow yield model
    - Project life-cycle cash flows
    - Factor rating model
    - Break-even analysis on projects
5. Project Scope Management
  - Project scope planning
  - Work break-down structure (WBS)
  - Levels in WBS
  - Responsibility charts
  - Organization business structure

6. Project Scheduling
  - Preparing project schedules using deterministic approach
    - Critical path method
  - Preparing project schedules using probabilistic approach
    - Project evaluation and review technique
    - Assessing project completion chances
  - Preparing project Gantt Charts
7. Project Costing
  - Direct and indirect costs
  - Time related costs
  - Labour costs
  - Procurement costs
  - Project activity-based costing
  - Project expediting using project crashing
8. Project Leadership and Managing Project Teams
  - Project team structure
  - Benefits of team structure
  - Project leadership styles
    - Autocratic
    - Consultative
    - Democratic
    - Laissez-Faire
  - Action-centred leadership
  - Maslow's theory of motivation through hierarchy of needs
  - Herzberg's motivation and hygiene factors
  - Conflict resolution in projects

### **Methods for Prior Learning Assessment and Recognition**

As per TRU policy

### **Attendance Requirements – Include if different from TRU Policy**

As per TRU policy

### **Special Course Activities – Optional**

### **Use of Technology – Optional**