

THE INSTITUTE OF COMMERCIAL MANAGEMENT

## SUBJECT SYLLABUS



## PLANNING & SCHEDULING

28 MARCH 2006

## **Introduction:**

- Environmental Issues
- Distinguishing Planning & Scheduling
- Planning Time Frame
- Matrix Charts
- Tabular Planning
- Bar Charts
- Line of Balance Charts

## **Network Analysis, Logic Diagrams & the Critical Path:**

- Network Notation Systems
- Critical Path Analysis & Arrow Diagrams
- Critical Path Analysis & Precedence Notation
- PERT
- Network Notation

## **Network Analysis in Practice:**

- Developing Network Logic
- Level of Detail in Network Planning
- Interface Activities & Events
- Milestones
- Estimating Activity Durations
- Network Analysis as a Management Tool

## **Scheduling Resources – Principles:**

- Resource Scheduling
- Network Analysis
- Float
- Fundamental Priority Rules
- Elements of a Practicable Schedule

## **Scheduling Resources in Practice:**

- Choice of Labour Resources
- Choice of Resource Units
- Rate-Constant & Non-Rate-Constant
- Specifying Departmental Resource Availability Levels
- Calendars
- Scheduling Labour Costs
- Scheduling Material Costs
- Scheduling Cash Flow
- Seven Steps of Project Resource Scheduling
- Corporate Context

## **Reading List**

### **Main Text:**

Project Management - Dennis Lock (Gower)

### **Alternative Texts and Further Reading:**

Project Management: Planning & Control - Rory Burke (Wiley)