

# Project Scheduling - 2 Day

## *PDU*s - 14

**Course Description:** *Project Scheduling* is a two-day course which will review the basic concepts of the project management process with the emphasis content being on the planning and scheduling process. Participants will explore the Schedule Development Process as diagrammed by the Project Management Institute. Areas include creating a WBS, defining activities, creating a network diagram, estimating activity durations and resources, developing the schedule, and creating a baseline.

**Method of teaching:** *Students will use discussion, cases, and group activities to facilitate the course.*

### **Course Objectives:**

- Review the basic management process
- Diagram the project planning and scheduling process
- Discuss reasons for not planning and scheduling
- Diagram and detail the schedule development process
- Define scheduling methods
- Define scheduling tools
- Define schedule model
- Explore the work breakdown structure (WBS)
- Define and detail activity definition
- Explore tools and techniques for activity definition
- Define and detail activity sequencing and creating the network diagram
- Explore precedence diagramming and arrow diagramming
- Define and detail estimating
- Explore estimating tools and models
- Define and detail developing the schedule
- Explore critical path, PERT, and GERT
- Discuss duration compression - crashing and fast tracking
- Discuss simulation tools for schedule development
- Discuss resource leveling
- Discuss critical chain
- Define the baseline schedule
- Define and detail schedule control