

Course Outline

DEN 310 Project Management for Engineers and Technical Professionals

Course Objectives

This online course will teach you fundamental concepts of project management. Upon completion of this course you will be able to:

1. Recognize the project management skills you have, and those you need to enhance.
2. Use a step-by-step process to plan, implement, and evaluate each project.
3. Assess other peoples abilities to complete their part of the project.
4. Use strategies for making other people able and communicating with them on progress.
5. Steer a project around a lack of resources, wrong parameters and political maneuvering.

Course Outline

Module	Topics
1	Introduction Overview of the course, the course agenda, and setting of personal learning objectives
2	Stages of the Project Life Cycle Review of the stages of the project life cycle, and the tasks to be completed during each stage
3	Define Your Project Defining project parameters, setting performance standards for each parameter; and identifying resources available versus resources needed
4	Plan Your Project The Mindmap technique will be used to test strategies for work projects. After completing the Mindmap, students will complete an action plan, Gantt chart and PERT diagram for their projects.
5	Implement Your Project Plan Implementing the project plan requires full cooperation of all team members. Learn how to make team members able; identify each person's communication preference; use active listening skills; provide feedback to team members; manage difficult behaviors and political maneuvering; and build consensus within the team.

6	Monitor Team's Progress Focus on developing skills necessary for successful delegation and control of work processes. Various charting techniques to monitor team progress are included.
7	Evaluate the Project A variety of techniques for evaluating the success of the project.
8	Implement Your Learning Development of a personal action plan to implement the tools and techniques to students' day-to-day job responsibilities.