

Project Planning and Management

CMCP 30

Course Description

Employers who hire Construction Managers expect good knowledge of planning and scheduling skills. The goal of this course is to assist you in reaching the expected skills and knowledge. Specifically, the course addresses the development/use of bar charts, CPM network diagrams, CPM calculations, and other selected topics such as resource leveling and network crashing. In addition, a term project is assigned to provide the students with hands-on experience in preparing a project schedule using Primavera Software.

Course Prerequisites

None.

Learning Objectives

Students should be able to demonstrate the ability to:

1. Understand Planning Principles
2. Use Scheduling Techniques
3. Implement Computer-Aided Scheduling (Primavera P-3) to prepare level-3 CPM schedules

Instructor's Expectations

Students are expected to diligently complete the course by reviewing the textbook materials, submitting homework assignments, printing the class notes (workbook), studying the on-screen course modules, and completing the workbook.

Course Organization

This course is a fully self-paced online course, which means that all the contents, assignments and assessments are done in an online format. This course consists of several modules. Each module has a lecture, an assignment (homework), and a quiz. The modules were designed to mimic the face-to-face delivery format. Therefore, each module provides audio-enhanced lectures that should give more content explanation. Should you have any questions or need further explanation on a concept, contact the professor.

Schedule of Topics

Week 1-2 Module 1 Introduction

Week 3-4 Module 2 Network presentation

Week 5-6 Module 3 CPM calculations

Week 7-8 Module 4 Project update

Week 9-10 Module 5 Schedule compression

Week 11-12 Module 6 Project control

Week 12-15 Module 7 Computer applications in scheduling

Recommended Textbook

Construction Planning and Scheduling, by Hinze, Prentice Hall

Notes/Workbook

Print the Notes/workbook before you start reviewing the modules as it will serve as a guide to taking good notes. You will use these notes when taking quizzes/final exam.

Course Access

To access the course:

1. Go to <https://uhcontinuingstudies.instructure.com/>
2. Login by entering your username and password.
3. Click this course title from the course list.

Grading Weight

Homework Assignments 35%

Quizzes 35%

Final Exam 30%

Grading Scale

Grade	Percentage Required
Pass	100% - 70%
Fail	Below 70%

Assignments

Reading

Reading assignments will be given with each module. It is recommended to read the assigned chapters before watching the module.

Homework

These assignments are in the format of quizzes and are graded automatically. The deadlines for each assignment are in the course schedule. Assignments solutions are posted the day after the assignments' deadline.

Quizzes & Exams

Quizzes

Quizzes are designed to assist you in understanding the course materials and to provide you with examples of the type of questions that will be on the final exam. A quiz is posted for each module. It is recommended that you take the quiz immediately after you complete each module. However, quizzes must be completed before the deadlines.

NOTE: You are allowed only one chance to open each quiz. Do not attempt to open a quiz until you are ready to answer the questions and complete the quiz. Answer each question carefully since you will not be permitted to revisit a question that you submitted or skipped.

Final Exam

Students will be required to take the Final Exam online. The exact date and time of the Final Exam will be announced during the semester.

NOTE: Students must make early arrangements with their employers and others to make sure they do not miss the Final Exam. There will be no make-over exams.

Student Responsibilities

Students are expected to diligently complete the course by reviewing the textbook materials, submitting homework assignments, printing the class notes (workbook), studying the on-screen course modules, and completing the workbook.

Academic Dishonesty

The following is the University of Houston's [academic honesty policy](#).