

COURSE DESCRIPTION

Introduction to CPM Scheduling

LOGISTICS

Duration

1 Day (8 Hours)

Delivery

In person, instructor lead

Student PCs are not required.

Class Size

Up to 15 Students

Prerequisites

None

OVERVIEW

This course introduces students to the fundamental concepts of the Critical Path Method (CPM) scheduling technique. This course does not teach any particular software but should not be considered a prerequisite to scheduling software training. Topics covered include:

- CPM scheduling terminology
- Using the PERT estimating technique
- Relationships, lags, leads, and constraints
- Calculating a forward-pass and backward-pass
- Resource loading and leveling
- Applying status
- Basic scheduling best-practices

TARGET AUDIENCE

Aspiring project managers, project controls analysts, or schedulers.

Project professionals who want to learn more about the scheduling process.

LEARNING OBJECTIVES

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

- Understand the terminology used in CPM scheduling
- Build a schedule of sequenced tasks, with durations, using critical path methodology
- Identify free float, total float, and the schedule critical path
- Understand options for resource loading and optimization
- Apply a disciplined scheduling update process
- Use schedule recovery techniques



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