

Primavera P6 Professional Advanced Rel 19 Ed 1

Construction and engineering

DURATION

2 Days

MODULES

12 Lectures

COURSE CODE

—

Course Overview

This Primavera P6 Professional Advanced training explores resource management and advanced project management techniques using P6 Professional. Learn new ways to manage resources and analyze project performance.

What You Will Learn

Module 1: Resource and Role Analysis

- Resource and Role Usage
- Resource and Role Limits
- Resolving Resource Overallocation
- Logging In
- Resource Usage Profile
- Resource Analysis Settings
- Displaying the Resource Profile
- Viewing Activities for a Selected Time Period
- Viewing Resource and Role Allocation
- Formatting the Resource Profile
- Formatting the Timescale
- Stacked Resource Histogram
- Viewing Role Allocation
- Analyzing Resources via Spreadsheet
- Left Pane
- Middle Pane
- Right Pane
- Editing the Resource Usage Spreadsheet

Module 2: Resource Assignments Window

- Resource Assignments Window Overview
- Customizing the Resource Assignments Spreadsheet

- Working in Assignment Details
- General Tab
- Planning Tab
- Adjusting Resource Assignments
- Viewing Nonlinear Allocation

Module 3: Manual Resource Allocation

- Linear vs. Nonlinear Distribution of Work
- Resource Lag and Resource Duration
- Resource Curves
- Adding Lag and Duration to Resource Assignments
- Viewing Resource Curves
- Assigning Curves to Resource Assignments

Module 4: Bucket Planning

- Linear Distribution
- Bucket Planning Concepts
- Specifying Activity Duration Type
- Editing Future Period Buckets
- Editing Buckets for Multiple Assignments
- Tracking Manual Curves

Module 5: Resource Leveling

- Resource Leveling Overview
- Handling Resource Conflicts
- Resource Leveling Process
- Leveling Rules
- Leveling Priorities
- Leveling Resources
- Selecting Resources for Leveling
- Adding Leveling Priorities
- Analyzing the Leveled Project
- Viewing the Leveling Log
- Leveling Based on Activity Priority
- Leveling Based on Project Priority

Module 6: Storing Period Performance

- Financial Periods
- Past Period Actuals
- Selecting Financial Periods
- Displaying Financial Periods in Columns
- Storing Past Period Information
- Editing Past Period Actual Data
- Case Study: Analyzing Resource Usage

Module 7: Duration Types

- Time and Work Concepts
- Duration Types Overview
- Choosing the Appropriate Duration Type
- Recalculating the Time/Work Equation
- Fixed Units/Time
- Fixed Duration & Units/Time
- Fixed Units
- Fixed Duration & Units
- Assigning a Duration Type
- Modifying Activities with Fixed Units/Time
- Changing Units
- Changing Duration
- Changing Units/Time
- Adding a Resource

Module 8: Calculating Percent Complete

- Percent Complete Overview
- Duration Percent Complete
- Units Percent Complete
- Physical Percent Complete
- Assigning Percent Complete Types
- Updating Activities Based on Percent Complete Type
- Weighted Steps
- Setting Up Weighted Steps
- Adding Weighted Steps
- Updating Weighted Steps

Module 9: Earned Value Management

- Earned Value Analysis Overview
- Performance Variables
- Planned Value (PV)
- Earned Value (EV)
- Actual Cost (AC)
- Schedule and Cost Variance
- Performance Indices (SPI, CPI)
- Estimate to Complete (ETC)
- Performance Factor
- Earned Value Graphs
- Calculating PV, EV, and AC
- Performance Percent Complete
- Weighted Milestones
- Earned Value Techniques (50/50, Activity % Complete)
- Interpreting Earned Value Results

Module 10: Advanced Scheduling

- Critical Path Analysis
- Multiple Float Paths
- Scheduling Out-of-Sequence Activities
- Scheduling Logic Options
- Retained Logic
- Progress Override
- Calendar Effects on Lag
- Predecessor Calendar
- Successor Calendar

Module 11: User-Defined Fields and Global Change

- User-Defined Fields (UDFs)
- Creating UDFs
- Displaying and Assigning Values
- Global Change
- Creating Global Changes
- Global Change Reports
- If-Then-Else Logic
- Workshop: UDFs and Global Change
- Lesson Review and Practice Questions

Module 12: Managing Multiple Projects

- Benefits of Managing Multiple Projects
- Viewing Activities Across Projects
- Scheduling Multiple Projects
- Setting the Default Project
- Handling Project Elements in Multi-Project Mode
- Appendix
- Case Study Solutions