

# Primavera P6 Professional Advanced Rel 19 Ed 1

Construction and engineering

DURATION

**2 Days**

MODULES

**12 Lectures**

COURSE CODE

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## 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