Primavera P6 Advanced Rel 21 Ed 1

Construction and engineering

DURATION	MODULES	COURSE CODE
2 Days	**15 Lectures**	**—**

Course Overview

The course covers advanced topics in resource and project management, including earned value analysis.

What You Will Learn

Module 1: Creating Resource Teams

- Lesson 1: Creating Resource Teams
- Resource Teams
- Benefits of Resource Teams
- Overview: Creating Resource Teams
- Creating a Resource Team
- Assigning Team Members
- Viewing Resource Allocation
- Lesson Review

Module 2: Creating Role Teams

- Lesson 2: Creating Role Teams
- Role Team
- Overview: Creating Role Teams
- Creating a Role Team
- Selecting Roles for the Team
- Viewing Open Requests for Resource Portlet
- Viewing Unstaffed Roles for a Project
- Lesson Review

Module 3: Managing Allocation

- Lesson 3: Managing Allocation
- Overview: Managing Allocation on the Analysis Page

- Using the Analysis Page
- Using the Analysis Page Spreadsheet
- Viewing Cost Data
- Viewing Role Usage
- Overview: Managing Allocation on the Assignments Page
- Viewing the Assignments Page
- Filtering Assignments
- Lesson Review

Module 4: Staffing Resource Requests

- Lesson 4: Staffing Resource Requests
- Resource Search
- Resource Search Example
- Search Results
- Overview: Resource Staffing Page
- Using the Open Requests for Resources Portlet
- Viewing the Resource Staffing Page
- Assigning Resources
- Overview: Resource Search Criteria Page
- Using Resource Search

Module 5: Resource Leveling

- Lesson 5: Resource Leveling
- Leveling Overview
- Handling Resource Conflict (Before & After Resource Leveling)
- Resource Leveling in P6
- Leveling Rules in P6
- Leveling Priorities
- Leveling is a Tool – Not a Solution
- Overview: Resource Leveling
- Viewing Resource Allocation
- Leveling a Resource
- Leveling Based on Activity Priority
- Lesson Review

Module 6: Introduction to Portfolios

- Lesson 6: Introduction to Portfolios
- Portfolios
- Using Portfolios
- User and Global Portfolios
- Manual Portfolios
- Filtered Portfolios
- Overview: Viewing the Portfolios Section
- Opening Portfolios

- Overview: Creating Portfolios
- Creating Portfolios Manually
- Creating Portfolios by Filter
- Managing Portfolios
- Lesson Review

Module 7: Earned Value Analysis and Portfolio Performance

- Lesson 7: Earned Value Analysis
- Earned Value Analysis Overview
- Essential Performance Variables
- Simplified Example of Earned Value Analysis
- Planned Value, Earned Value, Actual Cost
- Summary of Performance Variables
- Schedule Variance, Cost Variance
- Variance vs. Performance Index
- Schedule Performance Index
- Cost Performance Index
- Earned Value Graph
- Overview: Viewing Performance Status
- Viewing Performance Thresholds and Data
- Viewing WBS and Activity Information
- Lesson Review

Module 8: Analyzing Portfolios

- Lesson 8: Analyzing Portfolios
- Analyzing Portfolios Overview
- Bubble Chart
- Waterline Analysis
- ScenarCapacity Planning Chart
- Overview: Using the Portfolio Analysis Page
- Viewing Portfolio Data
- Editing and Creating Portfolio Views
- Using Waterline Analysis
- Overview: Using the Capacity Planning Page
- Viewing Capacity Planning Page and Role Allocation
- Analyzing Staffed vs. Unstaffed Assignments
- Lesson Review

Module 9: Advanced Scheduling

- Lesson 9: Advanced Scheduling
- Critical Path
- Multiple Float Paths
- Calendar Effect on Lag
- Overview: Using Advanced Scheduling Options

- Setting Multiple Float Path Scheduling Options
- Scheduling Progressed Activities
- Using Retained Logic and Progress Override
- Assigning Lag to Successors
- Scheduling Using Predecessor & Successor Calendars
- Lesson Review

Module 10: Managing Multiple Projects

- Lesson 10: Managing Multiple Projects
- Benefits of Using Multiple Projects
- Overview: Managing Multiple Projects
- Opening Dependent Projects
- Grouping Activities by Project
- Scheduling Multiple Projects
- Lesson Review

Module 11: Managing Project Risks

- Lesson 11: Managing Project Risks
- Risks Overview
- Risk Enterprise Data
- Risk Categories
- Risk Thresholds
- Risk Scoring Matrices
- Risk User-Defined Fields
- Risk Response Planning
- Risk Register
- Overview: Managing Project Risks
- Creating a Risk
- Computing Risk Score
- Mapping Risks to Activities
- Viewing and Assigning Risks
- Creating Risk Response Plans
- Adding Response Actions, Thresholds, and Costs
- Lesson Review

Module 12: Managing Project Issues

- Lesson 12: Managing Project Issues
- Issues Overview
- Viewing Project Issues
- Creating an Issue
- Grouping Issues
- Lesson Review

Module 13: Duration Types

- Lesson 13: Duration Types
- Time and Work
- Duration Type Overview
- Choosing a Duration Type
- Recalculating Time/Work Equation

Duration Types: Fixed Units/Time, Fixed Duration & Units, Fixed Units, Fixed Duration & Units

- Lesson Review

Module 14: Calculating Percent Complete

- Lesson 14: Calculating Percent Complete
- Percent Complete Overview
- Duration Percent Complete
- Units Percent Complete
- Physical Percent Complete
- Weighted Steps
- Lesson Review

Module 15: Case Studies

- Lesson 15: Case Study 1 – Managing Resources
- Lesson 16: Case Study 2 – Analyzing Portfolios
- Lesson 17: Case Study Solutions