

Course Syllabus

Course Title: Resource Management in Oracle Primavera P6 V25

Course Code: P6-106R

Duration: 2 Days (15 hours)

Level: Advanced

Course Objectives

By the end of the course, learners will be able to:

- Create and manage resources and roles
- Assign and track cost accounts
- Analyse resource and role usage
- Manage resource assignments and allocation
- Apply resource leveling and bucket planning
- Track performance and generate reports

Course Lesson

Lesson 1: Creating Resources and Roles

- Roles vs. Resources
- Resource types (Labor, Non-labor, Material)
- Resource security and hierarchy
- Creating resources using wizard
- Managing Resource Details (General, Codes, Rates, Roles)
- Defining and creating roles

Lesson 2: Assigning Cost Accounts

- Cost account structure
- Assigning cost accounts to:

- Resource assignments
 - Expenses
 - Using cost account columns for reporting
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Lesson 3: Resource and Role Analysis

- Resource Usage Profile (graphical analysis)
 - Resource Usage Spreadsheet (tabular analysis)
 - Allocation analysis and identification of over/underutilization
 - Stacked resource histogram
 - Role allocation (staffed vs. unstaffed)
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Lesson 4: Resource Assignments Window

- Overview of the Resource Assignments interface
 - Assignment details:
 - General tab
 - Planning tab
 - Adjusting resource assignments
 - Viewing nonlinear allocation
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◇ Case Study 1: Assigning and Analyzing

- Creating and assigning resources
 - Setting calendars, rates, and roles
 - Assigning activities
 - Analysing resource allocation and costs
 - Identifying overallocation
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Lesson 5: Manual Resource Allocation

- Resource lag and duration
 - Editing assignment timing
 - Resource curves (distribution patterns)
 - Applying curves to assignments
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Lesson 6: Bucket Planning

- Future period planning
 - Manual distribution of resource effort
 - Editing time buckets for assignments
 - Tracking manual curves and baseline comparison
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Lesson 7: Leveling Resources

- Resource leveling concepts
- Handling overallocations
- Leveling rules and priorities
 - Activity priority
 - Project priority
- Running leveling and analyzing results
- Reviewing leveling logs

Lesson 8: Storing Period Performance

- Financial periods setup
 - Tracking actual units and costs
 - Storing period performance
 - Editing past performance data
 - Trend analysis
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Lesson 9: Resource Reporting

- Reporting methods in Primavera
 - Using Reports Window
 - Running existing reports
 - Creating reports using Report Wizard
 - Customizing and saving reports
 - Generating reports from current layouts
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◇ Case Study 2: Resolving Overallocation

- Practical application of leveling techniques

- Optimizing resource allocation without delaying project
- Preparing resource reports

Appendices

Appendix A: Activity & Resource Calculation Settings

- Budgeted vs. At Completion values
- Driving vs. non-driving resources

Appendix B: Calendars

- Calendar types (Global, Project, Resource)
- Workweeks, holidays, exceptions
- Calendar configuration

Appendix C: Assigning Resources and Costs

- Assigning by role
- Assigning to different activity types
- Managing budgeted units/time
- Assigning material and non-labor resources

Key Learning Outcomes

- Efficient resource planning and allocation
- Improved project cost control
- Ability to identify and resolve overallocation
- Mastery of Primavera resource tools and reporting