

# PLANNING AND SCHEDULING WITH Oracle Primavera P6 Professional

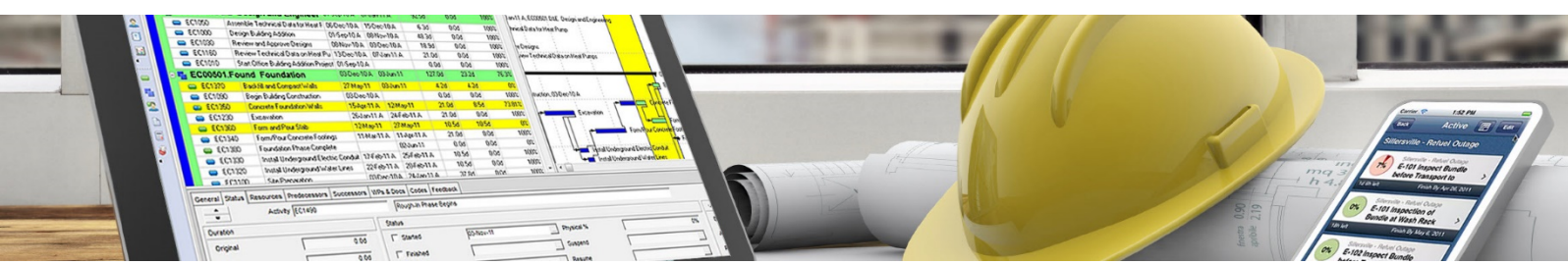


## **Global Project Management Solutions, LLC**

In-Person Public Courses | Virtual Instructor-Led Training (VILT) | Private, On-site Courses

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# Planning and Scheduling with Primavera P6 Professional

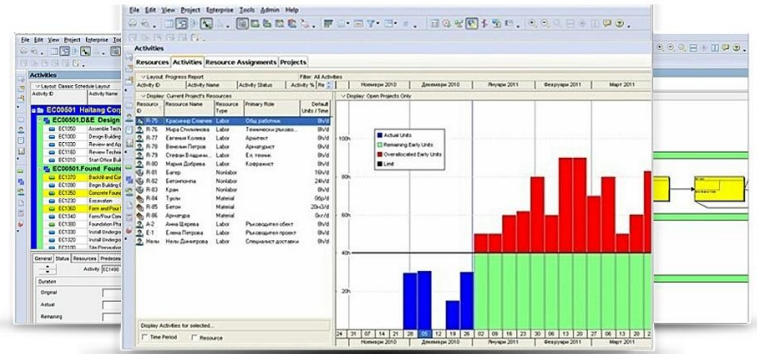
**COURSE DURATION:** 3 Days

**COURSE PDUs:** 19.5

**COURSE LEVEL:** Introductory

## Course Overview

This course provides a comprehensive understanding of planning, scheduling, and managing projects using Primavera P6 Professional. Participants will gain hands-on experience in creating project plans, managing resources, tracking progress, and generating reports.



## Learning Objectives

By the end of this course, participants will be able to:

- Develop and manage project schedules using Primavera P6.
- Create and configure Work Breakdown Structures (WBS) and activity relationships.
- Allocate and manage resources effectively.
- Establish baselines and update project progress.
- Generate customized reports for project analysis.

## Target Audience

This course is designed for:

- Project managers and planners seeking proficiency in Primavera P6.
- Schedulers responsible for creating and managing project timelines.
- Engineers and construction professionals involved in project planning.

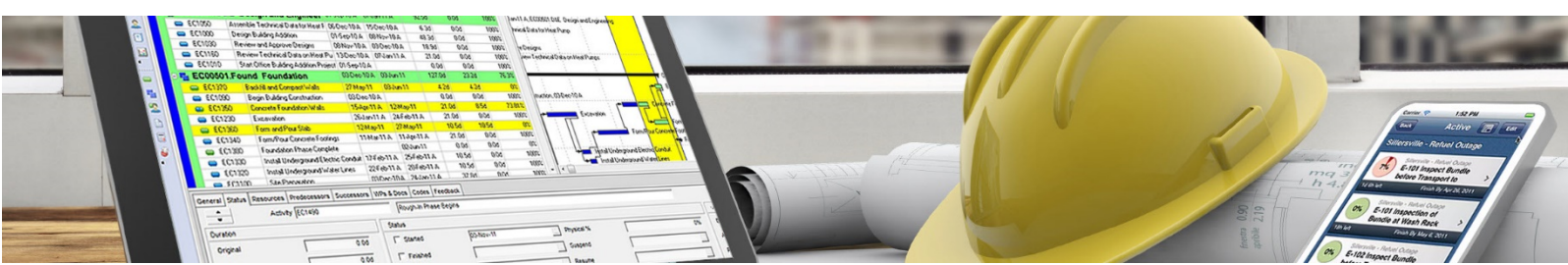
## Lesson Plan

### Lesson 1: Introduction to Project Scheduling and Primavera P6

- Overview of project scheduling fundamentals.
- Importance of critical path, float, and dependencies.
- Introduction to Primavera P6: key features and benefits.

### Lesson 2: Setting Up a Project Plan

- Defining project objectives and scope.
- Setting project start and finish dates.
- Assigning project calendars and initial setup.



### Lesson 3: Enterprise and Organizational Structures (EPS and OBS)

- Enterprise Project Structure (EPS): hierarchy and management.
- Organizational Breakdown Structure (OBS): assigning responsibilities.
- Configuring Primavera P6 to align with organizational needs.

### Lesson 4: Working with Layouts

- Understanding Primavera P6 layouts.
- Customizing views: activities, resources, and WBS.
- Saving and sharing layouts for effective collaboration.

### Lesson 5: Developing the Work Breakdown Structure (WBS)

- Creating and managing WBS elements.
- Using WBS for top-down planning and milestone tracking.
- Linking WBS with activities and resources.

### Lesson 6: Activities Management

- Adding and defining activities.
- Activity types and attributes.
- Durations / Duration Types

### Lesson 7: Managing Calendars

- Creating project-specific, resource, and global calendars.
- Assigning calendars to activities and resources.
- Managing non-working days, holidays, and shift patterns.

### Lesson 8: Establishing Activity Relationships and Logic

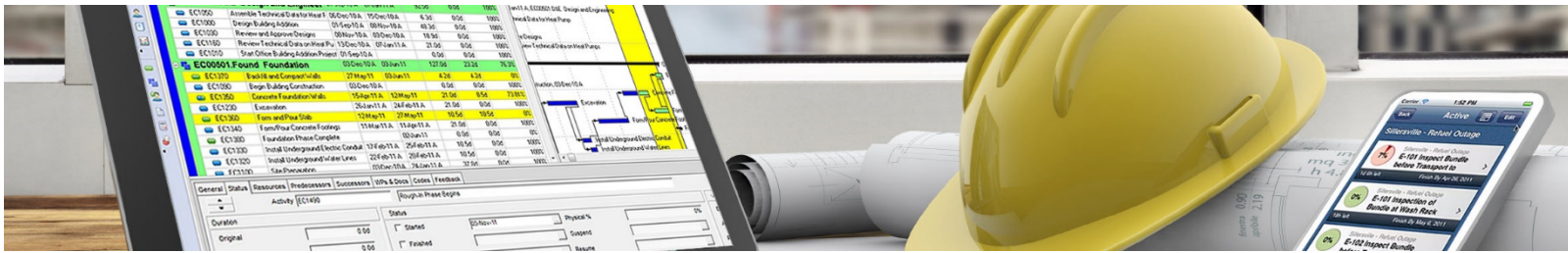
- Linking activities using predecessors and successors.
- Managing lead and lag times.
- Understanding and applying constraints.

### Lesson 9: Resource Allocation and Management

- Defining labor, material, and equipment resources.
- Assigning resources to activities.
- Resource leveling and analyzing overallocation.

### Lesson 10: Cost Management

- Assigning and managing project costs.
- Tracking expenses and budget alignment.
- Analyzing cost performance and variance.



### Lesson 11: Utilizing Activity Codes

- Creating and applying activity codes for categorization.
- Using activity codes for grouping, filtering, and reporting.

### Lesson 12: Grouping and Sorting Data

- Grouping activities based on WBS, codes, and resources.
- Sorting data for better visualization and analysis.

### Lesson 13: Filtering Techniques

- Creating custom filters for focused analysis.
- Applying predefined filters for quick insights.

### Lesson 14: Baseline Management

- Creating baselines to capture project plans.
- Assigning and comparing baselines to track changes.

### Lesson 15: Updating Project Progress

- Entering actuals and updating activities.
- Using baselines to measure project performance.
- Forecasting and managing changes to the schedule.

### Lesson 16: Generating Reports and Visualizations

- Creating standard and custom reports.
- Exporting data for external analysis.
- Visualizing project data with Gantt charts and summaries.

### Lesson 17: Q&A Session with the Instructor

- Open discussion and addressing participant queries.
- Clarifications on complex topics and real-world applications.
- Sharing additional tips and best practices for using Primavera P6.



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