

**Course 106-P – Advanced Project Management in P6**

Provides in-depth project management training in P6 client-server-based solution, building off skills learned in the basic course (102). Topics include earned value analysis, updating baselines, importing and exporting project data, and top-down budgeting.

**Targeted roles:** Program managers, project managers, administrators, planners/schedulers.

**Course length:** 2 days

**Course level:** Advanced

**Prerequisite:** Course 102

**Professional Development and Continuing Education Units:**

Earns 13 PDUs and 1.3 CEUs  
PMI Program Number – 106-P

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**Learning Outcomes:**

*Day One:*

**Creating a Project with Project Architect**

- Create a project using Project Architect
- Customize the project plan

**Assigning Codes**

- Assign project code values to activities
- Assign resource code values to resources
- Assign activity code values to activities

**User-Defined Fields and Global Change**

- Establish user-defined fields
- Define global change parameters
- Run a global change

**Portfolios**

- Create a portfolio
- Add projects to a portfolio
- Open projects using portfolios

**Advanced Scheduling**

- Calculate multiple float paths when scheduling
- Explain the difference between the scheduling logic options
- Identify a calendar's effect on lag

### **Monitor Thresholds and Issues**

- Identify the difference between thresholds and issues
- Create a threshold and an issue

### **Importing and Exporting Data**

- Describe the process of importing and exporting data
- Export projects
- Import projects

### **Transferring Data Between Primavera and Microsoft Excel**

- Export activity data to a spreadsheet application
- Modify project information in the spreadsheet application
- Import project information from the spreadsheet application

### **Updating Baselines**

- Specify the activities to update in the baseline
- Update activity and resource assignment data

### **Claim Digger**

- Specify how Claim Digger compares project plans
- Create a comparison report in Claim Digger

*Day Two:*

### **Duration Types**

- Determine which Duration Type works best in a given situation
- Assign a Duration Type to an activity

### **Calculating Percent Complete**

- Describe the three Percent Complete types
- Determine which Percent Complete type to use based on how your organization reports progress
- Explain how activity percentages are calculated based on the Percent Complete type chosen
- Use weighted steps to calculate Percent Complete

### **Earned Value Analysis**

- Define Earned Value
- Define Performance Percent Complete
- Review results of different earned value techniques
- Realize the benefits of using earned value techniques

### **Activity Usage Profile and Spreadsheet**

- Display cost data in the Activity Usage Profile
- Display curves in the Activity Usage Profile
- Analyze earned value data using curves in the Activity Usage Profile

### **Top-Down Budgeting**

- Establish project budgets
- Establish spending plans
- Track budget changes
- Track and analyze budgets
- Establish funding sources

### **Top-Down Estimating**

- Describe top-down estimating
- Add estimation weights to activities and WBS elements
- Perform top-down estimating



### **Risk Documentation**

- Set up risk types
- Create a risk
- Calculate a risk's exposure values
- Analyze the impact of a risk

### **Tracking Layouts**

- Identify the four types of tracking layouts
- Navigate in a tracking layout
- Open a tracking layout
- Modify layouts
- Create new layouts

### **Auto Compute Actuals**

- Describe the business rules for auto compute actuals
- Auto compute an activity
- Analyze the effect of auto compute actuals on an activity
- Auto compute a resource
- Auto compute an expense



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