

Microsoft® Project 2007: A Comprehensive Hands-On Introduction - 3 Days Structuring Projects to Ensure Success

Course 299 Overview

- You Will Learn How To**
- Plan, build and manage project schedules and budgets using Microsoft Project 2007
 - Build a project plan, enter tasks and develop calendars
 - Establish task constraints and deadlines, and create task dependencies
 - Forecast and allocate human and material resources
 - Track progress, update plans and monitor variances between target and actual project deliverables
 - Create dynamic reports and custom views to communicate project information
- Course Benefits** Project managers must work within tight schedules, manage resources across the organization and deliver results on time and within budget. Microsoft Project is a powerful tool to help you break a project down into manageable parts, identify potential bottlenecks and keep your project on track. In this course, you learn how to solve typical project and business problems using the planning, controlling and reporting features of Microsoft Project.
- Who Should Attend** Anyone who needs to use Microsoft Project 2007 to plan, manage or control a project. Familiarity with project management terminology such as tasks, resources and critical path is helpful.
- Hands-On Training** Hands-on exercises provide you with practical experience using Microsoft Project and include:
- Customizing the user interface
 - Creating project plans and templates
 - Defining activities, costs, risks and overall project scope
 - Assigning resources and resolving over-allocations
 - Optimizing and fine-tuning project plans to finish on time
 - Tracking and recording progress and responding to updates
 - Gauging project performance and identifying problems
 - Placing tasks and projects back on schedule
 - Creating a customized table, view, graphical indicator and crosstab report

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Structuring Projects to Ensure Success

Course 299 Outline

Introduction

- Overview of project management standards and terms
- The role of Project in the Microsoft Enterprise solution
- Configuring Microsoft Project for local use and the enterprise
- Customizing options and the user interface

Building a Project Plan from Scratch

Planning activities

- Standardizing and documenting the project plan, charter and network diagram
- Outlining project phases, activities, tasks and milestones
- Analyzing a project with work breakdown structures

Creating your plan in Microsoft Project

- Scheduling a project based on the start or finish date
- Reproducing the WBS in Project
- Entering normal tasks, summary tasks and subtasks
- Placing tasks in sequential order
- Calculating task durations
- Creating accurate project schedules

Designating calendars

- Investigating Project's three default calendars
- Creating and customizing project, task and resource calendars
- Configuring Project to accurately calculate working and nonworking time
- Creating and sharing organization-wide project calendars

Scheduling project tasks

- Establishing dependencies and relationships between tasks
- Linking and interrelating tasks
- Optimizing the schedule using lead and lag times
- Constraining tasks to target specific dates
- Defining milestones and setting deadlines
- Selecting the most appropriate task types

Creating and Assigning Resources

Assigning human and material resources to tasks

- Establishing resource needs

- Creating work and material resources
- Producing local and shared resource pools
- Sharing resources throughout the organization

Managing resources

- Reviewing assignments and workloads
- Distributing project work evenly
- Eliminating resource overallocations with leveling
- Designing resource calendars

Calculating cost and budgeting

- Defining task and resource costs
- Managing arbitrary project costs by assigning multiple cost resources to tasks
- Monitoring total project costs

Keeping Your Project on Track

Optimizing the schedule

- Examining significant scheduling factors
- Establishing the critical path
- Refining and finalizing the project plan

Updating a project and recording progress

- Creating primary and multiple baselines and interim plans
- Initiating Microsoft Project plans and incorporating actual progress
- Identifying factors affecting task schedules using tasks drivers
- Implementing change highlighting to show the impact to a project plan
- Manipulating and rescheduling tasks
- Comparing baseline (budgeted) costs and actual costs
- Monitoring resource progress and balancing workloads
- Completing and archiving project plans

Communicating and Reporting Project

Data

Organizing and summarizing reports

- Sorting and filtering tasks and resources
- Categorizing information with groups
- Highlighting specific data with cell shading

Distributing project information

- Displaying complex data with custom views
- Creating visual reports for display and analysis using Microsoft Excel and Visio

- Generating dynamic reports using active project data
- Publishing project data to a website
- Integrating Microsoft Project with other applications