

PM 600 – PMI-SP Certification Prep Program

Course Outlines

Revised: 2020

Duration: Three 1 Day Courses (Total Program 3 days)

PMI Standards

- PMBoK Guide (6th Edition) Project Schedule Management Knowledge Area
- PMI Standard for Scheduling (3rd Edition)

Course Description:

PMI-SP® Certification from the Project Management Institute is the industry standard for demonstrating competence and a solid foundation of project scheduling skills. This workshop prepares participants to write the PMI Scheduling Professional (PMI-SP) certification exam and provides the 23 hour educational credits.

Provides an overview of the PMI scheduling framework for project management set out in the PMI Standard for Scheduling and the PMBOK Guide.

Programs includes:

- Comprehensive review of all PMBOK scheduling content
- Comprehensive review of the PMI Standard for Scheduling
- Review of all PMI-SP Knowledge Area content
- Reference Binder covering PMI-SP exam topics organized by subject / knowledge area
- Hundreds of review questions with answers for each topic
- Simulated PMI-SP practice exam

Course Learning Outcomes

Upon successful completion of all 3 courses in the program, the student will be able to

- Apply the project schedule management key concepts, terminology, organizational influences, and project life cycle.
- Describe the project management scheduling processes
- Apply inputs, tools and techniques, and outputs for each of the Project Schedule Management Knowledge Area
- Describe the scheduling techniques defined in the PMI-SP Standard for Scheduling
- Apply test-taking techniques for writing the exam.

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Course Topics

PM 601 PMI-SP Certification Exam Preparation – Part 1 (1 day)

1. Project Schedule Management
 - Develop of project scheduling approach
 - Analyzing alternatives
 - Creating a process for executing and managing the schedule
 - Creating a process for managing changes to the schedule
 - Creating a schedule management plan
2. Schedule Modelling Principles and Concepts
 - Critical Path
 - Critical Chain
 - Adaptive life-cycles
 - Rolling wave planning
3. Schedule Modelling Good Practices Overview
 - Schedule data management plan
 - Schedule model creation
 - Schedule model maintenance

PM 602 PMI-SP Certification Exam Preparation – Part 2 (1 day)

4. Defining Activities
 - Decomposing the WBS
 - Defining the project activities and their attributes
 - Creating a list of activities to be incorporated into the project schedule
 - Creating a list of project milestones
5. Sequence Activities
 - Determining the logical order of executing the activities
 - Precedence diagramming techniques
 - Dependency determination
 - Using leads and lags
 - Creating a schedule network diagram

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6. Estimate Activity Durations
 - Conducting alternatives analysis for activity resources requirements
 - Defining agreed activity resource requirements
 - Determining activity durations using estimating techniques
 - Allowing for schedule risk

PM 603 PMI-SP Certification Exam Preparation – Part 3 (1 day)

5. Schedule Model Analysis
 - Critical path and critical path activities
 - Total float and free float
 - Schedule network analysis
 - Date constraints
 - Start-Finish relationships
 - Schedule risk assessment
5. Develop Schedule Model
 - Critical path determination
 - Schedule compression
 - Creating the project schedule
 - Establishing the schedule baseline
6. Control Schedule
 - Monitoring the project schedule against the schedule baseline
 - Managing change request
 - Maintaining the schedule baseline
13. PMI-SP Exam Prep
 - Review of PMI-SP certification process
 - Strategies for taking the PMI-SP exam
14. Simulated PMI-SP Exam