

PMP® *PMBOK*® Guide—Sixth Edition Training Course Agenda

1. Introduction

- What are PMI® and PMP® Certification
- Application Requirements for the PMP® Exam
- Guidelines to Complete the PMP® Application
- About the PMP® Exam
- PMP® Exam Syllabus
- About this Tutorial
- Introduction to Projects
- Projects, Examples, Characteristics and Drivers
- Definition of Project Management
- Value of Project Management
- Role of a Project Manager
- Project Management Skills
- Why do projects fail?
- Portfolios, Programs, Projects
- Program Management
- Features of Program Management
- Portfolio
- Portfolio Management
- Relationships between Portfolios, Programs, and Projects

- Stakeholder
- Stakeholder Management
- Summary

2. Professional and Social Responsibility

- Objectives
- Code of Ethics
- Responsibility
- Regulation and Legal Requirements
- Ethics
- Fairness
- Honesty
- Ensuring Individual Integrity
- Business Scenario
- Contributing to the Project Management Knowledge Base
- Enhancing Professional Competence
- Business Scenario
- Promoting Stakeholder Collaboration
- Business Scenario
- Summary

3. Project Management Framework

- Objectives
- Project Management Office (PMO)
- Organization Structure
- Functional Organization

- Projectized Organization
- Matrix Organization
- Advantages and Disadvantages of Organizational Structures
- Project Lifecycle vs. Product Lifecycle
- Project Lifecycle vs. Project Management Process
- Project Management Process
- Definition of a Process
- Project Flow and Key Terms
- Project Management Processes
- Project Process
- Process Group Interactions
- Project Lifecycles
- Agile Mindset
- Project Framework
- Project Management Process Map
- PMI's Process Framework
- Common Inputs
- Project Terms
- Quiz
- Summary

4. Project Management Processes

- Objectives
- Project Management Process Groups
- Project Management Process Map

- Reading a Process Diagram
- Initiating Process Group
- Project Initiation
- Planning Process Group
- Project Planning
- Executing Process Group
- Monitoring and Controlling Process Group
- Closing Process Group
- Quiz
- Summary

5. Project Integration Management

- Objectives
- Project Integration Management
- Role of Project Manager, Team, and Sponsor
- Project Selection Methods
- Present Value, Net Present Value, Internal Rate of Return, Payback Period, Benefit Cost Ratio, Return on Investment, Opportunity Cost
- Project Integration Management Knowledge Areas
 - ✓ Develop Project Charter
 - ✓ Initial Scope Statement
 - ✓ Develop Project Management Plan and its contents
 - ✦ Key Terms
 - ✓ Direct and Manage Project Work
 - ✦ Execution
 - ✓ Manage Project Knowledge

- ✓ Monitor & Control Project Work, challenges, and lessons learned
- ✓ Perform Integrated Change Control
- ✓ Change Management Process
- ✓ Integrated Change Control
 - ✦ Business Scenario
- ✓ Close Project or Phase
- Quiz
- Summary

6. Project Scope Management

- Objectives
- Project Scope Management
- Project Scope Management Activities
- Product Scope vs Project Scope
- Definition of Work Breakdown Structure
- Key Terms
- Examples of WBS
- Project Scope Management Knowledge Area
 - ✓ Plan Scope Management
 - ✓ Collect Requirements
 - ✦ Business Scenario
 - ✦ Group Creativity and Decision-Making Techniques
 - ✦ Requirements Traceability Matrix
 - ✓ Define Scope
 - ✓ Create WBS
 - ✓ Validate Scope

- ✓ Control Scope
- Important Outputs
- Data–Information–Knowledge–Wisdom
- Business Scenario
- Quiz
- Summary

7. Project Schedule Management

- Objectives
- Project Schedule Management
- Project Schedule Management Activities
- Project Schedule
- Gantt Chart
- Gantt Chart – Relationships, Examples, Dependencies
- Network Diagram and Examples
- Key Terms
- The Project Schedule Management Processes
 - ✓ Plan Schedule Management
 - ✓ Define Activities
 - ✓ Sequence Activities
 - ✓ Estimate Activity Durations
 - ✦ Business Scenario
 - ✓ Develop Schedule
 - ✦ Schedule Network Analysis
 - ✦ Program Evaluation and Review Technique (PERT) and Example
 - ✦ Critical Path Method

- ✦ Calculation of Float
 - ✦ Schedule Compression
 - ✦ Other Scheduling Techniques
 - ✓ Control Schedule
 - ✦ Business Scenario
- Quiz
 - Summary

8. Project Cost Management

- Objectives
- Project Cost Management
- Cost Management Plan
- Control Account
- The Project Cost Management processes
 - ✓ Plan Cost Management
 - ✓ Estimate Costs
 - ✓ Determine Budget
 - ✓ Control Costs
- Difference between Planned Value and Earned Value
- Earned Value Management
- Earned Value Formulae
- Business Scenario
- Earned Value Management: Examples
- Key Terms
- Quiz
- Summary

9. Project Quality Management

- Objectives
- Quality
- Quality Related Terms
- Optimal Level of Quality
- Quality Management
- Quality Planning vs. Quality Assurance vs. Quality Control
- Quality Management Concepts
- Cost of quality
- The Project Quality Management Processes
 - ✓ Plan Quality Management
 - ✓ Manage Quality
 - ✓ Control Quality
- Seven basic tools of quality
- Control Charts
- Cause and effect diagram
- Flowcharting
- Histogram
- Pareto Diagram
- Check Sheets
- Scatter Diagram
- Six Sigma
- Quiz
- Summary

10. Project Resource Management

- Objectives
- Project Resource Management
- Functional Manager vs. Project Manager
- The Project Resource Management Processes
 - ✓ Plan Resource Management
 - ✦ Organization Charts and Role Descriptions
 - ✦ Responsibility Assignment Matrix
 - ✦ Resource Histogram
 - ✓ Estimate Activity Resources
 - ✓ Acquire Resources
 - ✓ Develop Team
 - ✓ Manage Team
- Team Dynamics
- Conflict management
- Conflict Resolution Techniques
- Business Scenario
- Powers of Project Manager
- Business Scenario
- Organizational Theories
- Leadership Styles
- McKinsey's 7-S Framework
- Quiz
- Summary

11. Project Communications Management

- Objectives
- Communication
- Communication Methods, Technology & Channels
- Basic Communication Model
- The Project Communications Management Processes
 - ✓ Plan Communications Management
 - ✦ Business Scenario
 - ✓ Manage Communications
 - ✓ Monitor Communications
 - ✦ Business Scenario
- Quiz
- Summary

12. Project Risk Management

- Objectives
- Risk
- Positive and Negative Risk Responses
- Key Terms
- Calculation of Risk
- Risk Categorization
- Decision Tree
- Risk Reserve
- Project Risk Management
- Business Scenario

- The Risk Management Processes
 - ✓ Plan Risk Management
 - ✦ Definition of Impact Scale
 - ✓ Identify Risks
 - ✓ Perform Qualitative Risk Analysis
 - ✦ Probability and Impact Matrix
 - ✓ Perform Quantitative Risk Analysis
 - ✓ Plan Risk Responses
 - ✓ Implement Risk Responses
 - ✓ Monitor Risks
- Quiz
- Summary

13. Project Procurement Management

- Objectives
- Contract and its Characteristics
- Centralized vs. Decentralized Contracting
- Types of Contract, Advantages and Disadvantages
- Business Scenario
- Key Terms
- Project Procurement Management
- The Procurement Management Processes
 - ✓ Plan Procurements Management
 - ✓ Conduct Procurements
 - ✓ Control Procurements

- Quiz
- Summary

14. Project Stakeholder Management

- Objectives
- Stakeholders
- Classification Models for Stakeholder Analysis
- Stakeholder Engagement Assessment Matrix
- Stakeholder Management Skills
- The Project Stakeholder Management Processes
 - ✓ Identify Stakeholders
 - ✓ Plan Stakeholder Engagement
 - ✓ Manage Stakeholder Engagement
 - ✓ Monitor Stakeholder Engagement
- Quiz
- Summary

15. Appendix: PMP® List of Knowledge and Skills

- Objectives
- Knowledge and Skills
- Cross-Cutting Knowledge and Skills

For information on the course, visit: <http://www.simplilearn.com/project-management/pmp-certificationtraining>



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