



BREWSTER TECHNOLOGY

COMPUTER TRAINING & SERVICE

www.brewstertech.com

16 MOUNT EBO ROAD SOUTH, SUITE 18 • BREWSTER • NEW YORK • 10509
Phone - (845) 279-9400 • Fax - (845) 279-9413

What's in Project Management Professional:

Many companies are seeking certified Project Managers. Project Management Institute's, Project Management Professional (PMP) certification is one of the most recognized programs. Have you considered becoming a PMP? In this interactive course, participants will review the materials required for exam preparation and take sample tests for self-evaluation purposes. This course uses PMI Project Management Body of Knowledge (PMBOK 2017), multiple class quizzes, and class discussions. The emphasis will be exam preparation and readiness. Participants will focus on the PMP overview, Nine knowledge areas of the PMI PMBOK, Five major processes of project management, project management framework and the project management context, and professional responsibility.

Target Audience:

Project Management practitioners who are interested in pursuing the Project Management Professional (PMP®) / Certified Associate in Project Management (CAPM®) Certification.

Prerequisites:

Project Management experience.

Duration:

35 Hours



Topics Covered:

Environment In Which Projects Operate

- Enterprise Environmental Factors
- Organizational Process Assets
- Organizational Systems

The Role Of The Project Manager

- Definition of a Project Manager
- The Project Manager's Sphere of Influence
- Project Manager Competences
- Performing Integration

Project Integration Management

- Develop Project Charter
- Develop Project Management Plan
- Direct and Manage Project work
- Manage Project Knowledge
- Monitor and Control Project Work
- Perform Integrated Change Control
- Close Project or Phase

Project Scope Management

- Plan Scope Management
- Collect Requirements
- Define Scope
- Create WBS

- Validate Scope
- Control Scope

Project Schedule Management

- Plan Schedule Management
- Define Activities
- Sequence Activities
- Estimate Activity Durations
- Develop Schedule
- Control Schedule

Project Cost Management

- Plan Cost Management
- Estimate Costs
- Determine Budget
- Control Costs

Project Quality Management

- Plan Quality Management
- Manage Quality
- Control Quality

Project Resource Management

- Plan Resource Management
- Estimate Activity Resources
- Acquire Resources
- Develop Team
- Manage Team
- Control Resources

Project Communications Management

- Plan Communications Management
- Manage Communications
- Monitor Communications

Project Risk Management

- Plan Risk Management
- Identify Risks
- Perform Qualitative Risk Analysis
- Perform Quantitative Risk Analysis
- Plan Risk Responses
- Monitor Risks

Project Procurement Management

- Plan Procurement Management
- Conduct Procurements
- Control Procurements

Project Stakeholder Management

- Identify Stakeholders
- Plan Stakeholders Engagement
- Manage Stakeholder Engagement
- Monitor Stakeholder Engagement

Initiating Process Group

- Develop Project Charter
- Identify Stakeholders



Topics Covered (Continued):

Planning Process Group

- Develop Project Management Plan
- Plan Scope Management
- Collect Requirements
- Define Scope
- Create WBS
- Plan Schedule Management
- Define Activities
- Sequence Activities
- Estimate Activity Durations
- Develop Schedule
- Plan Cost Management
- Estimate Costs
- Determine Budget
- Plan Quality Management
- Plan Resource Management
- Estimate Activity Resources
- Plan Communications Management
- Plan Risk Management
- Identify Risks

- Perform Qualitative Risk Analysis
- Perform Quantitative Risk Analysis
- Plan Risk Responses
- Plan Procurement Management
- Plan Stakeholder Engagement

Executing Process Group

- Direct and Manage Project Work
- Manage Project Knowledge
- Manage Quality
- Acquire Resources
- Develop Team
- Manage Team
- Manage Communications
- Implement Risk Responses
- Conduct Procurements
- Manage Stakeholder Engagement

Monitoring And Controlling Process Group

- Monitor and Control Project Work
- Perform Integrated Change Control
- Validate Scope
- Control Scope
- Control Schedule
- Control Costs
- Control Quality
- Control Resources
- Monitor Communications
- Monitor Risks
- Control Procurements
- Monitor Stakeholder Engagement

Closing Process Group

- Close Project or Phase



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What's in Agile:

The Agile approach allows the need for a common language, open mindedness, and willingness to be flexible in how products and deliverables are brought to market. In addition, it realizes there are multiple ways to achieve successful delivery and that there are a broad range of tools, techniques, and frameworks; teams have choices for approaches and practices that fit their project and the organizational culture in order to achieve the desired outcome.

Target Audience:

Project Management Professionals looking to add Agile to their Certifications.

Prerequisites:

Project Management Professional Certification from PMI

Duration:

2 weeks



Topics Covered:

❖ **AN INTRODUCTION TO AGILE**

- Definable Work vs. High-Uncertainty Work
- The Agile Manifesto and Mindset
- Lean and the Kanban Method
- Uncertainty, Risk, and Life Cycle Selection

❖ **LIFE CYCLE SELECTION**

➤ **Characteristics of Project Life Cycles**

- Characteristics of Predictive Life Cycles
- Characteristics of Iterative Life Cycles
- Characteristics of Incremental Life Cycles
- Characteristics of Agile Life Cycles
- Agile Suitability Filters
- Characteristics of Hybrid Life Cycles
- Combined Agile and Predictive Approaches
- Predominantly Predictive Approach with Some Agile Components

- A Largely Agile Approach with a Predictive Component
- Hybrid Life Cycles as Fit-For-Purpose
- Hybrid Life Cycles as Transition Strategy

➤ **Mixing Agile Approaches**

➤ **Project Factors That Influence Tailoring**

❖ **IMPLEMENTING AGILE: CREATING AN AGILE ENVIRONMENT**

➤ **Start with an Agile Mindset**

➤ **Servant Leadership Empowers the Team**

- Servant Leader Responsibilities
- Role of the Project Manager in an Agile Environment
- Project Managers Use Servant Leadership

➤ **Team Composition**

- Agile Teams
- Agile Roles
- Generalizing Specialists
- Team Structures
- Dedicated Team Members
- Team Workspaces
- Overcoming Organizational Silos

❖ **IMPLEMENTING AGILE: DELIVERING IN AN AGILE ENVIRONMENT**

➤ **Charter the Project and the Team**

➤ **Common Agile Practices**

- Retrospectives
- Backlog Preparation
- Backlog Refinement
- Daily Standups
- Demonstrations/Reviews
- Planning for Iteration-Based Agile
- Execution Practices that Help Teams Deliver Value
- How Iterations and Increments Help Deliver Working Product



Topics Covered (Continued):

➤ **Troubleshooting Agile Project Challenges**

➤ **Measurements in Agile Projects**

- Agile Teams Measure Results

❖ **ORGANIZATIONAL CONSIDERATIONS FOR PROJECT AGILITY**

➤ **Organizational Change Management**

- Drivers for Change Management
- Readiness for Change

➤ **Organizational Culture**

- Creating an Environment of Safety
- Assessing Culture

➤ **Procurement and Contracts**

➤ **Business Practices**

➤ **Multi-team Coordination and Dependencies (Scaling)**

- Frameworks
- Considerations

➤ **Agile and the Project**

Management Office (PMO)

- An Agile PMO is Value-Driven
- An Agile PMO is Invitation-Oriented
- An Agile PMO is Multidisciplinary

➤ **Organizational Structure**

➤ **Evolving the Organization**

❖ **A CALL TO ACTION**