

Project Management Professional (PMP)® Exam Prep (2018 Edition)

Modality: On Demand

Duration: 15 Hours

This course prepares you for the PMP Exam leading to PMP Certification. This course does not include the **Official Exam Voucher**, however, you can request to purchase the **Official Exam Voucher** separately.

About this course:

This program series has been designed to prepare participants to take the Project Management Institute's [Project Management Professional \(PMP\)® Exam](#), and is based on the information covered in the 10 regions of study used to invent the exam, including the Guide to the Project Management Body of Knowledge (PMBOK® Guide) - Sixth Edition, Project Management Institute, Inc.

This course will guide the student, in addition to providing a comprehensive presentation and review of the material covered on the exam.

The average salary for a IT Project Manager is **\$94,483** per year.

Course Objective:

After completing this course, students will have a working understanding of:

- Application and the PMP Exam
- The Acme Widget Factory
- PMP Application
- Monitoring & Controlling
- Types of Exam Questions
- Extraneous Information
- Organizations and Project Management
- A Functional Organization
- Potential Advantages of a Functional Organization

Audience:

This course is intended for:

- Experienced project manager responsible for all aspects of project delivery, leading and directing cross-functional teams, then the PMP is the right choice for you.

Prerequisites:

- 7,500 hours leading and directing projects

- 35 hours of project management education

Suggested prerequisites courses:

- [Introduction to Project Management](#)

Course Outline:

Course Introduction

- Instructor Bio
- Course Introduction - Part 1
- Course Introduction - Part 2

Chapter 01 - Application and the PMP® Exam

- Chapter 01 - Application and the PMP® Exam
- Application and the PMP Exam
- Extra Reading
- The Acme Widget Factory
- Project Management Professional
- How Do I Become A PMP?
- PMP Application
- PMP Exam
- PMP Exam - Initiating - Part 1
- PMP Exam - Initiating - Part 2
- PMP Exam - Planning - Part 1
- PMP Exam - Planning - Part 2
- PMP Exam - Planning - Part 3
- PMP Exam - Executing
- PMP Exam - Monitoring & Controlling
- PMP Exam - Closing - Part 1
- PMP Exam - Closing - Part 2
- PMP Exam (Cont.)
- PMP Exam (Cont.)
- PMP Exam (Cont.)
- Test-Taking Strategies

Chapter 02 - Types of Exam Questions

- Chapter 02 - Types of Exam Questions
- Types of Exam Questions
- Two Right Answers / Made up Terms
- Two Right Answers
- Situational Questions
- Extraneous Information
- Understanding vs. Memorization
- Questions With Invented Terms

- Answers With More than One Component
- PMI'isms - Part 1
- PMI'isms - Part 2
- The Exam – Why People Fail

Chapter 03 - The Basics of Project Management - Part 01

- Chapter 03 - The Basics of Project Management - Part 01
- Organizations and Project Management
- Differentiation vs. Integration
- Organic or Simple
- A Functional Organization
- Potential Advantages of a Functional Organization
- Potential Issues with a Functional Organization
- A Projectized Organization (PBO)
- Potential Advantages of a Projectized Organization
- Potential Issues with a Projectized Organization
- The Matrix Organization
- A Weak Matrix Organization
- A Balanced Matrix Organization
- A Strong Matrix Organization
- Potential Advantages of a Matrix Organization
- Potential Issues with a Matrix Organization
- Organizations Table

Chapter 03 - The Basics of Project Management - Part 02

- Chapter 03 - The Basics of Project Management - Part 02
- The Basics of Project Management
- What is Project Management?
- Projects and Operations
- Programs and Portfolios
- Organizational Project Management
- Key Terms - Part 1
- Key Terms - Part 2
- Key Terms - Part 3
- Key Terms - Part 4
- Key Terms – Life Cycles
- Key Terms (Cont.)
- It's all about managing six (6) things. It's simple really...
- Plan - Do - Check - Act
- Project Life Cycle - Part 1
- Project Life Cycle - Part 2
- Project Life Cycle - Part 3
- The Big 3 Life Cycles
- Keys to the Predictive Waterfall Model
- The Basic Predictive Model
- Keys to the Predictive Model

- Keys Challenges to the Predictive Model
- The Iterative Life Cycles
- Advantages of the Iterative Model
- Challenges of the Iterative Model
- Prototyping
- Reasons to Prototype
- Dangers of Prototyping
- Managing WIP - Part 1
- Managing WIP - Part 2
- Foundation
- Scrum
- A Project Vision
- Product Backlog
- The Scrum Roles
- Scrum (Cont.)
- The Team Board
- Burndown Chart
- Sprint Planning Meeting
- The Daily Scrum
- Sprint Review
- Sprint Retrospective
- Scrum Timeline
- PMBOK® Guide Knowledge Areas
- Ten Knowledge Areas Extended - Part 1
- Ten Knowledge Areas Extended - Part 2
- Ten Knowledge Areas Extended - Part 3
- The Process Groups & Knowledge Areas Combined

Chapter 04 - Project Integration Management

- Chapter 04 - Project Integration Management
- Project Integration Management
- Integration Management
- 4.1 Develop Project Charter - Part 1
- 4.1 Develop Project Charter - Part 2
- The Business Case - Part 1
- The Business Case - Part 2
- The Business Case - Part 3
- 4.2 Develop Project Management Plan - Part 1
- 4.2 Develop Project Management Plan - Part 2
- 4.2 Develop Project Management Plan - Part 3
- Baselines, Logs & Registers
- Project Management Plan
- 4.3 Direct & Manage Project Work - Part 1
- 4.3 Direct & Manage Project Work - Part 2
- 4.4 Manage Project Knowledge - Part 1
- 4.4 Manage Project Knowledge - Part 2
- 4.5 Monitor & Control Project Work - Part 1

- 4.5 Monitor & Control Project Work - Part 2
- 4.6 Perform Integrated Change Control - Part 1
- 4.6 Perform Integrated Change Control - Part 2
- 4.7 Close Project or Phase - Part 1
- 4.7 Close Project or Phase - Part 2
- Summary

Chapter 05 - Project Scope Management

- Chapter 05 - Project Scope Management
- Project Scope Management
- Scope Management
- The Product vs. Project Scope:
- The Scope Management Plan Answers...
- The Steps in Scope Management
- How Scope is Measured
- 5.1 Plan Scope Management- Part 1
- 5.1 Plan Scope Management- Part 2
- 5.2 Collect Requirements - Part 1
- 5.2 Collect Requirements - Part 2
- Requirements Data Gathering
- Voting
- Idea Mapping Guidelines
- Brainstorming Steps
- 5.3 Define Scope - Part 1
- 5.3 Define Scope - Part 2
- Charter vs. Scope Statement
- 5.4 Create WBS
- WBS Terminology
- Components of the WBS
- Effective WBS's
- 5.4 Create WBS (Cont.)
- 5.5 Validate Scope - Part 1
- 5.5 Validate Scope - Part 2
- 5.6 Control Scope - Part 1
- 5.6 Control Scope - Part 2
- Project Scope Management - Summary

Chapter 06 - Project Schedule Management

- Chapter 06 - Project Schedule Management
- Project Schedule Management
- Schedule Management
- 6.1 Plan Schedule Management - Part 1
- 6.1 Plan Schedule Management - Part 2
- 6.2 Define Activities
- Rolling Wave Planning
- 6.2 Define Activities (Cont.)

- 6.3 Sequence Activities
- PDM
- Conditional Diagramming
- Dependencies
- Leads & Lag
- 6.3 Sequence Activities (Cont.)
- Dependency Determination
- Leads & Lag (Cont.)
- 6.4 Estimate Activity Durations - Part 1
- 6.4 Estimate Activity Durations - Part 2
- Project Evaluation & Review Technique (PERT) - Part 1
- Project Evaluation & Review Technique (PERT) - Part 2
- Distributions
- Reserves
- Agile Estimation
- 6.5 Develop Schedule
- CPM - Part 1
- CPM - Part 2
- The Critical Path Method
- Resource Optimization
- Critical Chain Method
- A Sample Story Map
- 6.5 Develop Schedule (Cont.)
- Leveling vs. Smoothing - Part 1
- Leveling vs. Smoothing - Part 2
- Leveling vs. Smoothing - Part 3
- Other Terms
- Crashing vs. Fast Tracking
- Gantt Charts
- Milestone Chart
- 6.6 Control Schedule - Part 1
- 6.6 Control Schedule - Part 2
- Project Time Management – Summary

Chapter 07 - Project Cost Management

- Chapter 07 - Project Cost Management
- Project Cost Management
- Cost Management - Part 1
- Cost Management - Part 2
- 7.1 Plan Cost Management - Part 1
- 7.1 Plan Cost Management - Part 2
- 7.2 Estimate Costs - Part 1
- 7.2 Estimate Costs - Part 2
- 7.2 Estimate Costs - Part 3
- 7.3 Determine Budget
- Accounting Terms
- 7.3 Determine Budget (Cont.)

- Funding Requirements
- Depreciation - Part 1
- Depreciation - Part 2
- Depreciation - Part 3
- 7.4 Control Costs - Part 1
- 7.4 Control Costs - Part 2
- Cumulative Cost Curve
- In Alphabetical Order
- Forecasting - ETC
- Forecasting - EAC
- Forecasting - TCPI
- Earned Schedule Theory - Part 1
- Earned Schedule Theory - Part 2
- Earned Schedule Theory - Part 3
- Cost Management – Summary

Chapter 08 - Project Quality Management

- Chapter 08 - Project Quality Management
- Project Quality Management
- Quality Management
- Key Terms - Part 1
- Key Terms - Part 2
- Thought Leaders
- 8.1 Plan Quality - Part 1
- 8.1 Plan Quality - Part 2
- Cost of Quality
- Flowcharts - Part 1
- Flowcharts - Part 2
- SIPOC
- SIPOC Steps
- SIPOC (Cont.)
- Logical Data Model - Part 1
- Logical Data Model - Part 2
- Logical Data Model - Part 3
- Matrix Diagrams
- Matrix Diagram Symbols
- Sample Matrix Diagrams
- Test Driven Development (TDD) - Part 1
- Test Driven Development (TDD) - Part 2
- Test Driven Development (TDD) - Part 3
- Acceptance Test-Driven Development - Part 1
- Acceptance Test-Driven Development - Part 2
- Refactoring
- Types of Refactoring - Part 1
- Types of Refactoring - Part 2
- Types of Refactoring - Part 3
- 8.2 Manage Quality - Part 1

- 8.2 Manage Quality - Part 2
- Root Cause Analysis - Part 1
- Root Cause Analysis - Part 2
- Affinity Diagrams
- Affinity Diagrams Steps
- Affinity Diagrams (Cont.)
- Cause and Effect Diagram
- Histogram Sample
- Scatter Diagram
- Control and Limits
- Pareto Diagrams
- Run Chart
- Design For X
- Problem Solving
- Benchmarking
- Design of Experiments (DOE)
- 8.3 Control Quality - Part 1
- 8.3 Control Quality - Part 2
- 7 Basic Quality Tools
- Check or Tally Sheets
- Statistical Sampling Terms
- Statistical Terms
- Statistical Example
- Project Quality Management – Summary - Part 1
- Project Quality Management – Summary - Part 2

Chapter 09 - Project Resource Management

- Chapter 09 - Project Resource Management
- Project Resource Management
- The Processes that Organize All Project Resources
- 9.1 Plan Resources Management - Part 1
- 9.1 Plan Resources Management - Part 2
- Team Charter
- Organization Chart
- Responsibility Assignment Matrix
- Common Theories
- McGregor's Theory of X and Y - Part 1
- McGregor's Theory of X and Y - Part 2
- Herzberg's Theory
- Theory Z
- Resource Management Plan
- 9.2 Estimate Activity Resources - Part 1
- 9.2 Estimate Activity Resources - Part 2
- 9.3 Acquire Resources - Part 1
- 9.3 Acquire Resources - Part 2
- 9.4 Develop Team - Part 1
- 9.4 Develop Team - Part 2

- The Five (5) Conflict Resolution Modes - Part 1
- The Five (5) Conflict Resolution Modes - Part 2
- Speed B. Leas Conflict Model
- The Five Dysfunctions of a Team
- Absence of Trust - Part 1
- Absence of Trust - Part 2
- Absence of Conflict - Part 1
- Absence of Conflict - Part 2
- Lack of Commitment - Part 1
- Lack of Commitment - Part 2
- Avoidance of Accountability - Part 1
- Avoidance of Accountability - Part 2
- Inattention to Results - Part 1
- Inattention to Results - Part 2
- 9.5 Manage Team - Part 1
- 9.5 Manage Team - Part 2
- Emotional Intelligence - Part 1
- Emotional Intelligence - Part 2
- Ability-Based EI Model
- Goleman's Mixed EI Model
- Trait EI Model
- Leadership Styles
- Theories of Management Style - Part 1
- Theories of Management Style - Part 2
- Sources of Power
- Servant Leadership
- Management vs. Leadership
- Adaptive Leadership
- 9.6 Control Resources - Part 1
- 9.6 Control Resources - Part 2
- Final Terms
- Project Resources Management – Summary

Chapter 10 - Project Communications Management

- Chapter 10 - Project Communications Management
- Project Communications Management
- Communications Management
- Communications Dimensions - Part 1
- Communications Dimensions - Part 2
- Communications Terms
- The Communication Model
- The Formula for One-to-one Communications
- Didactic Communication Example
- Styles
- 10.1 Plan Communications Management - Part 1
- 10.1 Plan Communications Management - Part 2
- Stakeholder Engagement Matrix

- The Communications Management Plan
- 10.2 Manage Communications
- Communications Techniques and Considerations
- 10.2 Manage Communications (Cont.)
- 10.3 Monitor Communications
- 10.3 Control Communications
- Communications Management - Summary

Chapter 11 - Project Risk Management

- Chapter 11 - Project Risk Management
- Project Risk Management
- Risk Management
- Risk
- Project Risks
- Types of Risks
- Key Terms - Part 1
- Key Terms - Part 2
- 11.1 Plan Risk Management - Part 1
- 11.1 Plan Risk Management - Part 2
- Included in the Risk Management Plan
- Sample RBS
- Scales for Impact and Probability
- Sample Impact Matrix
- 11.2 Identify Risks - Part 1
- 11.2 Identify Risks - Part 2
- Brainstorming - Part 1
- Brainstorming - Part 2
- Delphi Technique
- SWOT Analysis
- Prompt Lists
- The Risk Register
- 11.3 Perform Qualitative Risk Analysis - Part 1
- 11.3 Perform Qualitative Risk Analysis - Part 2
- Risk Parameters - Part 1
- Risk Parameters - Part 2
- Probability & Impact Matrix
- 11.4 Perform Quantitative Risk Analysis - Part 1
- 11.4 Perform Quantitative Risk Analysis - Part 2
- Influence Diagrams - Part 1
- Influence Diagrams - Part 2
- Expected Monetary Value (EMV)
- Decision Tree Analysis - Part 1
- Decision Tree Analysis - Part 2
- Data Modeling - Simulation
- 11.5 Plan Risk Responses - Part 1
- 11.5 Plan Risk Responses - Part 2
- Response Strategies

- Risk Register Updates
- 11.6 Implement Risk Responses
- 11.6 Plan Implement Responses
- 11.7 Monitor Risks - Part 1
- 11.7 Monitor Risks - Part 2
- Project Risk Management – Summary - Part 1
- Project Risk Management – Summary - Part 2

Chapter 12 - Project Procurement Management

- Chapter 12 - Project Procurement Management
- Project Procurement Management
- Procurement Management
- Procurement PMLisms
- Procurement Terms - Part 1
- Procurement Terms - Part 2
- Procurement Terms - Part 3
- Procurement Terms - Part 4
- 12.1 Plan Procurement Management - Part 1
- 12.1 Plan Procurement Management - Part 2
- Source Selection Analysis
- Procurement Management Plan
- Bid Documents
- Procurement Statement of Work
- 3 Types
- Procurement Documents
- Contract
- 12.2 Conduct Procurements - Part 1
- 12.2 Conduct Procurements - Part 2
- Negotiating Tactics - Part 1
- Negotiating Tactics - Part 2
- Source Selection Criteria
- 12.3 Control Procurements - Part 1
- 12.3 Control Procurements - Part 2
- Negotiate Settlements
- Project Procurement Management – Summary

Chapter 13 - Project Stakeholder Management

- Chapter 13 - Project Stakeholder Management
- Project Stakeholder Management
- Stakeholder Management
- 13.1 Identify Stakeholders - Part 1
- 13.1 Identify Stakeholders - Part 2
- Brain Writing – Data Gathering - Part 1
- Brain Writing – Data Gathering - Part 2
- Data Analysis for Stakeholders
- Classification Models for Stakeholder Analysis

- Stakeholder Prioritization
- Salience Model - Part 1
- Salience Model - Part 2
- Salience Model - Part 3
- Salience Model - Part 4
- Direction of Influence
- Stakeholder Engagement Classification
- 13.2 Plan Stakeholder Management - Part 1
- 13.2 Plan Stakeholder Management - Part 2
- 13.3 Manage Stakeholder Engagement - Part 1
- 13.3 Manage Stakeholder Engagement - Part 2
- 13.4 Monitor Stakeholder Engagement - Part 1
- 13.4 Monitor Stakeholder Engagement - Part 2
- Project Stakeholder Management – Summary

Chapter 14 - Professional Responsibility

- Chapter 14 - Professional Responsibility
- Professional Responsibility
- Duty to the Profession
- Scope & Estimates - Part 1
- Scope & Estimates - Part 2
- Authority
- Above All Else...
- Course Closure - Part 1
- Course Closure - Part 2
- Course Closure - Part 3