

## Preparing for the PMI Risk Management Professional (PMI-RMP)<sup>®</sup> Exam - 4 Days

### Course 286 Overview

- You Will Learn How To**
- Manage project risk effectively to deliver successful projects that meet stakeholder needs
  - Apply customizable, industry-robust templates to create a Risk Management Plan and Risk Register
  - Leverage a proven 7-step qualitative risk analysis process to identify risk exposure
  - Translate risk into actual time and cost impact using proven quantitative risk analysis tools
  - Utilize a tested 7-step technique to design your risk response strategies
  - Monitor risk triggers to control uncertainties and maximize project payoff
- Course Benefits** All projects involve risk. To quantify and manage risks, you need to thoroughly analyze risk before and during a project. This course provides the skills to help you prepare for the PMI-RMP<sup>®</sup> exam. Through identifying and measuring risks in project development and implementation, you learn to quantify risks and create risk response strategies to deliver projects that meet stakeholder expectations.
- Who Should Attend** Those with a stake in seeing a project through to successful completion as well as those who plan to take the PMI-RMP<sup>®</sup> exam. Experience at the level of Course 296, "Project Management: Skills for Success," or Course 340, "Project Management for Software Development," is recommended.
- RealityPlus<sup>™</sup>** In this course, you are immersed in a PC- and video-enhanced case study to simulate a project risk experience from planning to project close. You perform risk management tasks including:
- Creating your RMP from a proven model
  - Developing and updating a Risk Register through a systematic incremental process
  - Applying a 7-step qualitative risk analysis process to determine probability, impact and exposure
  - Quantifying risks according to EMV, Utility and impact on estimates
  - Designing a risk response strategy
  - Detecting and responding to risk events using EVA
  - Updating your risk database and determining process improvements

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### Course 286 Outline

#### Overview of Project Risk Management

- Recognizing risk in all projects
- Using risk management best practices, tools and techniques to achieve project success

#### Designing Critical Platforms for Success Creating a Risk Management Plan (RMP)

- Analyzing contents of a model RMP
- Applying a standard template to create your RMP

#### Identifying project risk

- Common sources of project risk
- Creating Ishikawa diagrams to analyze cause and effect relationships
- Utilizing checklists
- Assessing high-level risks to the organization

#### Developing a Risk Register

- Analyzing contents of a model Risk Register
- Applying a proven template to create your Risk Register
- Communicating risks to stakeholders
- Documenting risks for future assessment

#### Improving Project Performance through Qualitative Analysis

##### Analyzing risks through qualitative measures

- Performing probability and impact analyses of identified risk
- Applying the probability and impact matrix
- Advanced applications of qualitative analysis

##### Prioritizing analysis results

- Ranking project risks
- Differentiating between acceptable and unacceptable risks

#### Analyzing Risks Using Quantitative Methods

##### Quantifying effects of risk events on the project

- Determining probability of achieving cost and time objectives
- Calculating contingency reserves
- Identifying trends in quantitative analysis
- Ranking risks by actuarial cost

#### Tools for analysis

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- Expected Monetary Value (EMV)
- Three-point estimates
- Probability distributions
- Delphi Technique
- Simulation

#### Risk Response Planning

##### Implementing risk response strategies

- Accept
- Avoid
- Transfer
- Mitigate
- Exploit
- Share
- Enhance
- Quantifying residual risks and secondary responses

##### Creating contingency plans

- Determining the worst-case scenario
- Recalculating confidence levels
- Finalizing risk budget
- Applying a 7-step process to risk response planning

#### Making Decisions under Uncertainty Psychological factors in decision making

- Practical applications of Prospect Theory
- Recognizing bias with Utility Theory

##### Tools to enhance objectivity

- Maximizing returns through the use of payoff tables
- Applying decision trees with Precision Tree software
- Dealing with unknown risks using workarounds

#### Monitoring and Controlling Risk

##### Identifying emerging project risks

- Matching identified project risk with controls including Risk Audit, Variance Reports, Reserve Analysis
- Anticipating risk events through risk triggers
- Measuring risk using earned value analysis (EVA)

##### Ensuring effective change control

- Developing a reliable change request process
- Recommending corrective action

#### Leveraging Project Experience

- Creating an end-of-project risk report
- Compiling lessons learned in a risk database
- Recognizing the value of mistakes
- Ensuring continual process improvement