

PMI Risk Management Professional (PMI-RMP)®

Course Outline

Chapter 1: INTRODUCTION TO RISK MANAGEMENT

- 1. What is Risk Management?**
 - Definition of Risk and Risk Management
 - Importance of Risk Management in Projects
 - Key Terms in Risk Management
- 2. Who Manages Risks?**
 - Role of Risk Manager
 - Roles of Project Manager, Team, and Stakeholders in Risk Management
- 3. Objectives of Risk Management**
 - Identifying, Assessing, and Managing Risks
 - Aligning Risk Management with Organizational Strategy

Chapter 2: RISK MANAGEMENT FRAMEWORK AND PROCESSES

- 1. Introduction to Risk Management Processes**
 - PMI's Standard for Risk Management
 - Overview of Risk Management Process Groups (Identify, Analyze, Plan Response, Monitor)
- 2. Risk Management Planning**
 - Purpose and Importance of the Risk Management Plan
 - Developing a Risk Management Plan
 - Defining Risk Tolerances and Thresholds
- 3. Risk Breakdown Structure (RBS)**
 - Understanding RBS
 - How to Use RBS for Risk Identification and Classification
- 4. Risk Identification**
 - Tools and Techniques for Identifying Risks
 - Risk Register Creation
 - Continuous Risk Identification Throughout the Project

Chapter 3: RISK ANALYSIS

- 1. Qualitative Risk Analysis**
 - Prioritizing Risks Based on Probability and Impact
 - Risk Probability and Impact Matrix
 - Using Risk Urgency and Categorization for Prioritization
- 2. Quantitative Risk Analysis**
 - Tools for Quantitative Risk Assessment
 - Monte Carlo Simulation, Decision Trees, and Sensitivity Analysis
 - Interpreting the Results of Quantitative Analysis

Chapter 4: RISK RESPONSE PLANNING

- 1. Developing Risk Response Strategies**
 - Strategies for Threats (Avoid, Mitigate, Transfer, Accept)
 - Strategies for Opportunities (Exploit, Enhance, Share, Accept)

2. **Contingency Planning and Risk Reserves**
 - Creating Contingency Plans for High-Risk Events
 - Establishing Management Reserves and Contingency Reserves
3. **Risk Ownership and Responsibility**
 - Assigning Risk Owners
 - Ensuring Accountability for Risk Responses

Chapter 5: MONITORING AND CONTROLLING RISKS

1. **Monitoring Risks**
 - Tracking Identified Risks and New Risks
 - Periodic Risk Reviews and Updates to the Risk Register
2. **Controlling Risks**
 - Implementing Risk Response Plans
 - Using Performance Metrics and Key Risk Indicators (KRIs)
3. **Risk Reporting**
 - Effective Communication of Risk Status and Updates
 - Tools and Techniques for Risk Reporting

Chapter 6: RISK COMMUNICATION AND STAKEHOLDER ENGAGEMENT

1. **Importance of Risk Communication**
 - Clear and Transparent Risk Communication with Stakeholders
 - Tailoring Communication Based on Audience
2. **Stakeholder Risk Tolerance and Engagement**
 - Understanding Stakeholder Risk Tolerance
 - Techniques for Engaging Stakeholders in Risk Discussions
3. **Collaboration and Team Involvement in Risk Management**
 - Fostering a Risk-Aware Culture within Project Teams
 - Risk Management as a Collaborative Process

Chapter 7: ADVANCED RISK MANAGEMENT TECHNIQUES

1. **Advanced Risk Analysis Tools**
 - Scenario Analysis, Expected Monetary Value (EMV), and Risk Models
 - Using Advanced Tools for Strategic Risk Management
2. **Emerging Trends in Risk Management**
 - Agile Risk Management Approaches
 - Managing Risks in Complex and Large-Scale Projects

Chapter 8: PROFESSIONAL ETHICS AND STANDARDS

1. **PMI Code of Ethics and Professional Conduct**
 - Ethical Responsibilities of a Risk Manager
2. **Maintaining Professionalism in Risk Management**
 - Continuous Learning and Improvement
 - Adherence to PMI Standards and Best Practices