

Nutech Computer Training Institute

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The PMP Exam Review Course focuses on teaching project management standards and preparing the student for the PMP® Exam. This course explores the concepts that provide the structure of project management; reviews the project management processes and activities; and helps students to recognize the interactions between the various project management processes and how these interactions contribute to project success.

The course composes of 9 4-hour sessions in duration fulfilling the 35 hour PMI contact Requirement. The curriculum of PMP Exam Review Course is closely related to the A Guide to the Project management Body of Knowledge (PMBOK Guide) 4th edition. The course covers the five process groups of project management: Initiating, Planning, Executing, Monitoring & Controlling, and Closing; nine knowledge areas: Integration, Scope, Time, Cost, Quality, Human Resources, Communications, Risk, and Procurement; as well as two additional topics: Framework, and Professional and Social Responsibility.

Section I - The Project Management Framework

1. Introduction

.1.1 Overview

- 1.1.1 Project Management Institute
- 1.1.2 PMBOK Guide
- 1.1.3 Project Management Professional – PMP

.1.2 What is a Project?

- 1.2.1 Project characteristics
- 1.2.2 Projects vs. Operational Work
- 1.2.3 Projects and Strategic Planning

1.3 What is Project Management?

.1.4 The PMBOK® Guide Structure

- 1.4.1 Section I: The Project Management Framework
- 1.4.2 Section II: The Standard for Project Management of a Project
- 1.4.3 Section III: The Project Management Knowledge Areas

.1.5 Areas of Expertise

- 1.5.1 Project Management Body of Knowledge
- 1.5.2 Application Area Knowledge, Standards and Regulations
- 1.5.3 Understanding the Project Environment
- 1.5.4 General Management Knowledge and Skills
- 1.5.5 Interpersonal Skills

.1.6 Project Management Context

- 1.6.1 Programs and Program Management
- 1.6.2 Portfolios and Portfolio Management
- 1.6.3 Subprojects
- 1.6.4 Project Management Office

2. Project Life Cycle and Organization

.2.1 The Project Life Cycle

- 2.1.1 Characteristics of the Project Life Cycle
- 2.1.2 Characteristics of Project Phases
- 2.1.3 Project Life Cycle and Product Life Cycle Relationships

2.2 Project Stakeholders

.2.3 Organizational Influences

- 2.3.1 Organizational Systems
- 2.3.2 Organizational Cultures and Styles
- 2.3.3 Organizational Structure
- 2.3.4 The Role of the PMO in Organizational Structures
- 2.3.5 Project Management System

Section II - The Standard for Project Management of a Project

3. Project Management Processes for a Project

3.1 Project Management Processes

.3.2 Project Management Process Groups

- 3.2.1 Initiating Process Group
- 3.2.2 Planning Process Group
- 3.2.3 Executing Process Group
- 3.2.4 Monitoring and Controlling Process Group
- 3.2.5 Closing Process Group

3.3 Process Interactions

3.4 Project Management Process Mapping

Section III - The Project Management Knowledge Areas

.4. Project Integration Management

- 4.1 Develop Project Charter
- 4.2 Develop Project Management Plan
- 4.3 Direct and Manage Project Execution
- 4.4 Monitor and Control Project Work
- 4.5 Perform Integrated Change Control
- 4.6 Close Project or Phase

.5. Project Scope Management

- 5.1 Collect Requirements
- 5.2 Define Scope
- 5.3 Create WBS
- 5.4 Verify Scope
- 5.5 Control Scope

.6. Project Time Management Overview

- 6.1 Define Activities
- 6.2 Sequence Activities
- 6.3 Estimate Activity Resources
- 6.4 Estimating Activity Durations
- 6.5 Develop Schedule
- 6.6 Control Schedule

.7. Project Cost Management Overview

- 7.1 Estimate Costs
- 7.2 Determine Budget
- 7.3 Control Costs

.8. Project Quality Management Overview

- 8.1 Plan Quality
- 8.2 Perform Quality Assurance

8.3 Perform Quality Control

.9. Project Human Resource Management

9.1 Develop Human Resource Plan

9.2 Acquire Project Team

9.3 Develop Project Team

9.4 Manage Project Team

.10. Project Communications Management

10.1 Identify Stakeholders

10.2 Plan Communications

10.2 Distribute Information

10.3 Manage Stakeholder Expectations

10.4 Report Performance

.11. Project Risk Management

11.1 Plan Risk Management

11.2 Identify Risk

11.3 Perform Qualitative Risk Analysis

11.4 Perform Quantitative Risk Analysis

11.5 Perform Risk Responses

11.6 Monitor and Control Risks

.12. Project Procurement Management

12.1 Plan Procurements

12.2 Conduct Procurements

12.3 Administer Procurements

12.4 Close Procurements