

Nutech Computer Training Institute

1682 E. Gude Dr. #102, Rockville MD 20850 TEL: 301-610-9300

www.NutechTraining.com

Project Management Professional (PMP) Training Course Objective

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) 3rd 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 **Error! Bookmark not defined.**
- 2.3.5 Project Management System **Error! Bookmark not defined.**

Section II - The Standard for Project Management of a Project

Error! Bookmark not defined.

2. 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 Preliminary Project Scope Statement

4.3 Develop Project Management Plan

4.4 Direct and Manage Project Execution

4.5 Monitor and Control Project Work

4.6 Integrated Change Control

4.7 Close Project

5. Project Scope Management

5.1 Scope Planning Error! Bookmark not defined.

5.2 Scope Definition

5.3 Create WBS

5.4 Scope Verification

5.5 Scope Control

6. Project Time Management

Overview

6.1 Activity Definition

6.2 Activity Sequencing

6.3 Activity Resource Estimating

6.4 Activity Duration Estimating

6.5 Schedule Development

6.6 Schedule Control

7. Project Cost Management

Overview

7.1 Cost Estimating

7.2 Cost Budgeting

7.3 Cost Control

8. Project Quality Management

Overview

8.1 Quality Planning

8.2 Perform Quality Assurance

8.3 Perform Quality Control

9. Project Human Resource Management Error! Bookmark not defined.

9.1 Human Resource Planning

9.2 Acquire Project Team

9.3 Develop Project Team

9.4 Manage Project Team

10. Project Communications Management

10.1 Communications Planning

10.2 Information Distribution

10.3 Performance Reporting

10.4 Manage Stakeholders

11. Project Risk Management

11.1 Risk Management Planning

11.2 Risk Identification

11.3 Qualitative Risk Analysis

11.4 Quantitative Risk Analysis

11.5 Risk Response Planning

11.6 Risk Monitoring and Control

12. Project Procurement Management

12.1 Plan Purchases and Acquisitions

12.2 Plan Contracting

12.3 Request Seller Responses

12.4 Select Sellers

12.5 Contract Administration

12.6 Contract Closure