

# PMP® Course Outline

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## 1 Lesson 1: Introduction to PMP® and PMI®

- a. Introduction
- b. Agenda
- c. What is PMP® and PMI®
- d. Pre-requisite for PMP® Exam
- e. About the PMP® Exam
- f. PMP® Exam Syllabus
- g. About Simplilearn PMP® Preparation Tutorial

## 2 Lesson 2: Project Management Framework

- a. Introduction
- b. Agenda
- c. Definition of a Project
- d. What is Project Management
- e. What is Program Management
- f. What is Portfolio Management
- g. Project Management Office (PMO)
- h. The Triple Constraints
- i. Stakeholder Management
- j. Organization Structure
- k. Project Life Cycle vs. Product Life Cycle
- l. Quiz

## 3 Lesson 3: Project Management Process

- a. Introduction
- b. Agenda
- c. Project Life Cycle vs Project Management Process
- d. The Five Project Management Process Groups
- e. Process Groups, Knowledge Areas and Project Management process

Mapping

f. What happens in Each Process Groups

g. Quiz

#### 4 Lesson 4: Project Integration Management

a. Introduction

b. Agenda

c. What is Project Integration Management

d. The Key role of Project Manager, Project Team and Project Sponsor

e. Project Selection Methods

f. The Integration Management Knowledge Area.

I. Develop Project Charter

II. Develop Project Management Plan

III. Direct and Manage Project Execution

IV. Monitor & Control Project work

V. Perform Integrated Change Control

VI. Close Project or Phase

g. Quiz

#### 5 Lesson 5: Scope Management

a. Introduction

b. Agenda

c. What is Project Scope Management

d. Product Scope vs. Project Scope

e. The Key terms in Project Scope Management

f. The Project Scope Management Processes.

i. Collect Requirements

ii. Define Scope

iii. Create WBS

iv. Verify Scope

v. Control Scope

g. Quiz

## 6 Lesson 6: Time Management

- a. Introduction
- b. Agenda
- c. What is Project Time Management
- d. What is Project Schedule
- e. The Key terms in Project Time Management
- f. The Project Time Management Processes.
  - i. Define Activities
  - ii. Sequence Activities
  - iii. Estimate Activity Resources
    - iv. Estimate Activity Durations
    - v. Develop Schedule
    - vi. Control Schedule
- g. Schedule Network Analysis Techniques
- h. Quiz

## 7 Lesson 7: Cost Management

- a. Introduction
- b. Agenda
- c. What is Project Cost Management
- d. Difference between Cost Estimating and Cost Budgeting
- e. Control Account
- f. The Project Cost Management Processes.
  - i. Estimate Costs
  - ii. Determine Budget
  - iii. Control Costs
- g. Earned Value Management
- h. Project Selection Methods
- i. Quiz

## 8 Lesson 8: Quality Management

- a. Introduction
- b. Agenda
- c. What is Quality?
- d. What is Quality Management?
- e. Cost of Quality
- f. The Project Quality Management Processes.
  - i. Plan Quality
  - ii. Perform Quality Assurance
  - iii. Perform Quality Control
- g. Seven Basic tools of Quality
- h. Introduction to Six Sigma
- i. Quiz

## 9 Lesson 9: Human Resource Management

- a. Introduction
- b. Agenda
- c. What is Human Resource Management?
- d. Roles and Responsibilities of the Project Sponsor
- e. Functional Manager vs. Project Manager
- f. The Project Human Resource Management Processes
  - g. Develop Human Resource Plan
    - i. Acquire Project Team
    - ii. Develop Project Team
    - iii. Manage Project Team
  - h. Conflict Management
  - i. Powers of Project Manager
  - j. Motivation Theory
- k. Quiz

## 10 Lesson 10: Communication Management

- a. Introduction
- b. Agenda
- c. What is Communication?
- d. Communication Methods, Technology and Channels
- e. Basic Communication Model
- f. The Communication Management Knowledge Area
- i. Identify Stakeholders
- ii. Plan Communications
- iii. Distribute Information
- iv. Manage Stakeholder Expectations
- g. Report Performance
- h. Quiz

## 11 Lesson 11: Risk Management

- a. Introduction
- b. Agenda
- c. What is Risk
- d. How is risk calculated
- e. Risk Categorization
- f. Decision Tree
- g. Risk Reserve
- h. The Risk Management Knowledge Area
- i. Plan Risk Management
- ii. Identify Risk
- iii. Perform Qualitative Risk Analysis
- iv. Perform Quantitative Risk Analysis
- v. Plan Risk Responses
- i. Quiz

## 12 Lesson 12: Procurement Management

- a. Introduction
- b. Agenda
- c. What is a Contract?

- d. Centralized vs. Decentralized contracting
- e. Different Types of Contract
- f. Key terms in Procurement Management
- g. The Procurement Management Knowledge Area.
- i. Plan Procurements
- ii. Conduct Procurements
- iii. Administer Procurements
- iv. Close Procurements
- h. Quiz

### **13 Lesson 13: Professional and Social Responsibility**

- a. Introduction
- b. Agenda
- c. Ensure Individual Integrity
- d. Contribute to Project Management Knowledge Base
- e. Enhance self-Professional competence
- f. Promote Stakeholder collaboration
- g. Quiz