

# Project Planning and Program Control Processes - Part 1 Online

*PDU*s - 25

## PMI's Talent Triangle Breakdown

Technical - 19.00

Leadership - 6.00

## PMI's Certification Breakdown

PMP/PgMP - 25.00

PMI-ACP - 6.00

PMI-SP - 9.00

PMI-RMP - 6.00

PfMP - 6.00

PMI-PBA - 6.00

**Course Description:** This course will present the fundamentals of the technologies to manage projects. New and innovative principles of project planning and program control will be taught using practical application scenarios. This course will begin at an introductory level and work up through the disciplines and processes used to build proper project models. The Mathis Group is excited to enter into a partnering relationship for this course with Dennis Busch, founder of Project Management Technologies, Inc.

**Method of teaching:** Students will learn tips, techniques and processes through webinars, which can be accessed 24/7 and completed at their own pace. Remember, though, that you must complete the course within 60 days.

## **Course Objectives:**

### **Objective 1: Introduction**

- List workshop objectives
- Define managing processes
- Discover where the value of planning is
- Explain Return on Investment (ROI)
- Evaluate the project management legacy

### **Objective 2: The Skills of a Project Manager**

- Define the two essential skills of a project manager
- Analyze interpersonal skills
- Analyze mechanical skills

### **Objective 3: To Plan or Not to Plan**

- Review the important aspects of why planning is essential in the successful management of projects
- Identify the characteristics of problems
- Compare proactive versus reactive management
- Recognize the problem resolution methodology and its relationship to PM

### **Objective 4: What is a Project?**

- Explain characteristics of a project and how it differs from other forms of endeavors
- Identify the three dimensions of project objectives

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- Discover the “Key Drivers” of a project
- Define the “4 Project Management Steps”
- Compare top-down versus bottom-up planning philosophy
- Classify the right combination of factors
- Examine why the typical parameters used to measure a project are not the right parameters to manage it

## **Objective 5: Defining Project Purpose**

- Construct the project’s technical, cost, and schedule objectives in the beginning
- Identify the Project Management Mechanisms
- Develop the project charter
- Compare sources of objectives
- Assemble needs assessment
- Show how to measure/validate accomplishments
- Define constraints, exclusions, and assumptions
- Summarize deliverables to objectives
- Discover milestones

## **Objective 6: Defining Project Workscope**

- Define Workscope
- Identify and define detail work effort
- Discuss principles of ‘Work Decomposition’
- Analyze the Work Breakdown Structure
- Classify the organizational structures (OBS) and the importance of integrating the work and organizational structures

## **Objective 7: Detail Planning**

- Define Bottom-up planning
- Examine how to properly define project activities
- Assess how to properly define and the use of project events/milestones

## **Objective 8: Interaction Analysis**

- Compare methodologies of interaction analysis
- Discuss Timelining
- Discuss what is project modeling: how does it work, when should it be used, what are its limitations
- Identify model elements
- Develop activities, relationships, and events
- Summarize project models: series of paths, right-to-left and left-to-right planning, relativistic tool, appropriate level of detail to base model

## **Objective 9: Time Analysis or CPM**

- Define project calendars
- Review CPM
- Define the backward pass process
- Analyze total float
- Examine events and milestones