Introduction to Project Management with PMP Exam Prep

Course Overview
The course will help you develop an understanding of the foundations, principles, and tools/techniques for effective project management based on the Project Management Institute (PMI) best practices. The exam prep portion of the course will help you prepare for the PMP exam.

Course Outline

I. Introduction
II. About Projects
   a. Internal Projects
   b. External Projects (Customer-Driven)
III. About Project Management
   a. What is Project Management?
   b. What’s the Driving Need for Project Management?
   c. Project Management Institute (PMI)
   d. PMP and CAPM Certifications
   e. PMP and CAPM Exam Content Outline
IV. Project Management Body of Knowledge (PMBOK)
   a. Knowledge Areas
   b. Process Groups
   c. Process Group Interaction
   d. Mapping of Processes
   e. Project Scope Management
   f. Project Schedule Management
   g. Project Cost Management
   h. Project Quality Management
   i. Project Resource Management
   j. Project Communications Management
   k. Project Risk Management
   l. Project Procurement Management
   m. Project Stakeholder Management
   n. Project Integration Management
V. Project Life Cycles
   a. Phases
   b. Phase-to-Phase Relationships
   c. Predictive Life Cycle
   d. Life Cycle Characteristics
   e. Process Groups vs. Phases
   f. Tailoring
VI. The Project Manager
   a. Project Balance
VII. Projects, Operations, Programs, and Portfolios
   a. Collections of Projects

VIII. Organizational Considerations
   a. Weak Matrix
   b. Balanced Matrix
   c. Strong Matrix
   d. Projectized
   e. Types of PMO
   f. Organizational Structures
   g. Project Sponsor
   h. The Role of Project Sponsors
   i. Problem Sponsors

IX. The Basic Project Management Process
   a. Initiating

X. Phase Gates

XI. Work Breakdown Structures

XII. Network Diagrams

XIII. Estimating Durations

XIV. Developing a Schedule

XV. The Basic Project Management Process
   a. Planning
   b. Issue Log
   c. Managing Risks
   d. Controlling
   e. Status Review Meetings
   f. Managing Changes
   g. Communications
   h. Closing
   i. Portfolio Management
   j. Wrap-up

Part II: PMP Exam Prep

I. PMP Exam Structure

II. PMBOK Guide Structure
   a. Project Lifecycle
   b. Organization of PMBOK Guide Key Components
   c. Five Process Groups
   d. Ten Knowledge Areas
   e. Mapping Knowledge Areas to Process Groups

III. Exam Preparation Review
    a. Knowledge Review Approach

IV. Integration Management
V. Scope Management  
a. Scope Management Data Flow  
b. WBS Data Flow  
VI. Schedule Management  
a. PDM Relationships  
b. Project Schedule Network  
c. Critical Path Method  
d. Schedule Compression Techniques  
VII. Cost Management  
a. Project Budget Components  
b. Cost Control Data Flow  
c. Earned Value Analysis  
VIII. Quality Management  
a. Cost of Quality  
IX. Resource Management  
a. Resource Management Data Flow  
X. Communications Management  
a. Plan Communications Management Data Flow  
b. Communications Model for Cross Cultural Communication  
XI. Risk Management  
a. Probability Definitions and Impacts  
XII. Procurement Management  
XIII. Stakeholder Management  
XIV. Exam Taking Strategies  
a. Exam Preparation Tips  
b. Practice the Testing Process  
c. Testing Tips  
d. Useful Formulas to Remember  
e. Next Steps  
f. Online Resources  

Course materials  
A Guide to the Project Management Body of Knowledge (PMBOK® Guide)  
Rita Mulcahy’s PMP® Exam Prep  

Certification  
This course prepares students to take the CAPM or PMP exam.  

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