

## Earned Value Management; 10 PDUs, 10 Hours

### Course Description:

The Earned Value Management on-line course provides a practical and easy to understand approach for implementing and using Earned Value Management (EVM) techniques in any Project Management environment.

Learn at your own pace with access to on-line course topics including:

- Understanding the role EVM can play on any project in any environment
- Using EVM for both project analysis and forecasting
- A practical approach to implementing EVM practices
- Tailor fitting EVM to your project environment

The course consists of five Earned Value Management lesson lectures (including audio and visual course materials). Lesson examples, quizzes and multiple choice questions are used to reinforce each lesson's key learning objectives. Completion of this course will earn 10 PDU's towards your PMI® Continuing Certification Requirements (CCR's).

### Course Lesson Structure:

#### Lesson One: Introduction

*(Approximate student effort: 1 hour)*

- Course Purpose & Key Learning Objectives
- Course Lesson Overview
  - Lists key Earned Value Management practices covered during course
  - Course completion checklist and completion criteria
- Introductions
  - Project Management Institute and Standards Publications
- Role of Earned Value Management
- Earned Value Management and Project Management Processes
  - Examines the relationship between EVM and the *PMBOK® Guide*
- Course Reference List
- Lesson Review Questions {True/false, fill-in the blank & multiple choice}

#### Lesson Two: Earned Value Management Basics

*(Approximate student effort: 2 hours)*

- Lesson's Key Learning Objectives
- Traditional vs. EVM Control & Performance Measurements
- Review of the basic concepts of EVM
  - Planned Value, Actual Cost, Earned Value
  - Varying Planned Value resource units
  - Earned Value measurement techniques
    - Fixed formula, weighted milestone, percent complete techniques
    - Discrete effort, apportioned effort and level of effort

- Examples of the basic concepts of EVM using project scenarios
- Lesson Review Questions {True/false, fill-in the blank & multiple choice}

### Lesson Three: Project Analysis and Forecasting using EVM

*(Approximate student effort: 3 hours)*

- Lesson's Key Learning Objectives
- Introduction to EVM techniques
  - Variances
  - Indices
  - Forecasting
- Scheduling Analysis and Forecasting
- Cost Analysis and Forecasting
- Examples of analysis and forecasting in a project scenario
- Concepts regarding management by exceptions
- Lesson Review Questions {True/false, fill-in the blank & multiple choice}

### Lesson Four: Practical Implementation of EVM

*(Approximate student effort: 2 hours)*

- Lesson's Key Learning Objectives
- EVM Good Practices for
  - Understanding the Scope of the Project
    - Plan and schedule the project work
  - Responsibility Assignments
  - Time-phased Budgets
    - Establishing a Performance Measurement Baseline
  - Earned Value Measurements
  - Maintaining Integrity
  - EVM Performance Reporting
    - EVM Report Types {S-curve, Tables, Bar Charts}
- Lesson Review Questions {True/false, fill-in the blank & multiple choice}

### Lesson Five: Tailor Fitting EVM

*(Approximate student effort: 2 hours)*

- Lesson's Key Learning Objectives
- Government vs. Private Sector Application of EVM
- Review and discussion of current EVM article
- Scaling EVM practices to fit varying project management environments
- Planning for success
- Lesson Review Questions {True/false, fill-in the blank & multiple choice}

### **Who should take this course?**

Any individual motivated to learn more about Earned Value Management practices and earn PDU's towards your PMI® Continuing Certification Requirements (CCR's).

### **Assumptions:**

Students have an active PMI® credential and an understanding of the contents of the *PMBOK Guide*® and are motivated to learn more about Earned Value Management practices.

**General:**

The course has been developed in a format appropriate for participants to earn 10 PDUs. All coursework is to be completed 100% online within a one-month period and does not require any instructor-specific interaction. This and other PDU online courses are appropriate for students seeking to earn Professional Development Units (PDUs) to support on-going Continuing Certification Requirements (CCRs) in an online self-paced format. This course stands on its own as a unique learning experience AND it can be combined together with the other PDU online courses, to form a comprehensive Project Management Performance Professional Development Program worth a total of 60 PDUs.