

# Course Description

## Advanced Project Analysis and Control AMS105

14 Professional Development Units / On-line 12  
14 Education Hours / On-line 12

### Overview

This course takes an in-depth look at the requirements, processes and best practices inherent in project control and analysis for predominantly medium to large projects. We will also discuss the difference between aspects of control for small and medium-large projects, as they differ quite a bit. The subjects discussed within will be from the perspective of the project control's resource, who, for smaller project efforts may also be serving as the project manager and/or scheduling resource. Participants should have a "chosen project" in mind to apply the course concepts, processes and tools to in real time.



### Learning Objectives

- Build an understanding of the parameters of project control and analysis for projects of varying size and complexity
- Build an understanding of the proper up-front planning or front-end loading required to develop baselines that are "controllable"
- Apply variance determination techniques to scheduling techniques in order to identify "risk critical path" items and convergence
- Learn techniques for applying accurate earned value assessments and burn rate variations
- Develop a project controls approach for a chosen project

### Format

The format of the course is highly interactive and how-to oriented. Discussion of concepts and principles is followed by exercises. The emphasis is on the practical application and adaptation of selected tools and processes.

### Delivery Options

### Duration

Two Days / On-line 12 hours

### Who Should Attend

Project controls resources, project scheduling resources and project managers that are also "doubling" as the project's controls resource would benefit from attending this course.