

Advanced Project Scheduling; 10 PDUs, 10 Hours

Course Description:

The Advanced Project Scheduling goes beyond simple scheduling techniques to demonstrate how to develop a Schedule Model that can be used to create a reliable, accurate schedule baseline.

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

- Scheduling techniques for developing a 'best-fit' Schedule Model
- How to implement schedule changes while maintaining schedule accuracy
- Using schedule analysis techniques to interpret schedule impacts and synthesize scheduling alternatives
- Turning schedule analysis into timely decisions

The course consists of five lesson lectures on Advanced Project Scheduling (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: 2 hours)

- Course Purpose & Key Learning Objectives
- Course Lesson Overview
 - Advanced project scheduling topics covered during course
- Project Scheduling Introduction
 - Purpose of project scheduling
 - Schedule development basics
- Creating a Schedule Model
 - Planning for the Schedule Model
 - Designing the Schedule Model
 - Five Basic Project Schedule Types
- Lesson questions {True/false, fill-in the blank quizzes & / or multiple choice}

Lesson Two: Schedule Creation

(Approximate student effort: 2 hours)

- Lesson's Key Learning Objectives
- Schedule Management Approaches
 - Review and discussion of current article(s)
- Developing the Scheduling Framework
 - Determine how to develop the schedule model
 - Understand full scope of project
 - Identify the project and schedule
 - Establish calendars & work periods
 - Establish optimum update cycle

- Design activity coding structure
- Determine resource requirements
- Lesson questions {True/false, fill-in the blank quizzes & / or multiple choice}

Lesson Three: Developing and Maintaining the Schedule

(Approximate student effort: 2 hours)

- Lesson's Key Learning Objectives
- Developing Practical and Effective Schedules
 - Defining the activity list with consistency
 - Sequencing activities by developing appropriate logical relationships
- Schedule Compression Techniques
- Developing Resource Pools and Resource Leveling
- Team Charter & Dependencies
- Schedule Change & Maintenance
- Good Practices for Project Time Management Processes within the *PMBOK® Guide*
- Lesson questions {True/false, fill-in the blank quizzes & / or multiple choice}

Lesson Four: Schedule Analysis

(Approximate student effort: 2 hours)

- Lesson's Key Learning Objectives
- Techniques to identify conflicting / problematic activities
 - Risk analysis / impact assessment
 - Performance reviews & trend analysis
 - What-if statistical modeling
- Earned Value Performance Reporting
 - Schedule control practices
 - Trend Analysis
 - Earned Value Good Practices
- Lesson questions {True/false, fill-in the blank quizzes & / or multiple choice}

Lesson Five: Schedule Reporting

(Approximate student effort: 2 hours)

- Lesson's Key Learning Objectives
- Turning schedule analysis into timely decisions
- Standard scheduling reporting techniques and formats for
 - Communicating schedule risk
 - Communicating the schedule baseline
 - Gaining buy-in for schedule approval
- Schedule Progress Reporting
- Schedule Review Meetings
 - Understanding the appropriate granularity for schedule presentations
- Communicating Schedule Completion
- Review and discussion of current article(s)
- Lesson questions {True/false, fill-in the blank quizzes & / or multiple choice}
- Course Summary:
 - Summary of Course's Key Learning Objectives

Course Completion Feedback Survey

Who should take this course:

Any individual motivated to learn more about Project Time Management and Scheduling 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 Project Scheduling.

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.