



Advanced Project Management



2 - 13 March 2025



Cairo (Egypt)

# Advanced Project Management

course code: P4088 From: 2 - 13 March 2025 Venue: Cairo (Egypt) - InterContinental Cairo Semiram course Fees: 3750 Euro

## INTRODUCTION

This training session is for experienced project managers examines advanced project and program management techniques, building on the basics to help ensure success even for large and risky projects and programs. This program stresses project management processes as an integral part of organizational culture and what senior management must do to support it and make it successful within an organization. This course aligns with the Project Management Institute's (PMI®) Project Management Body of Knowledge (PMBOK®).

Project scope management and stakeholder analysis work continues to improve across the project and program management discipline. Learn the newest tools and technologies for handling stakeholders, and building quality into your project.

Learn the newest concepts and techniques for project planning, estimating, and scheduling. Discover how queuing theory, the Theory of Constraints (Critical Chain Project Management), and other advanced concepts can help you develop solid, reliable, efficient and effective project plans.

Continue your development with advanced program risk and uncertainty analysis. Learn strategies for handling uncertainty, discover the network affects of project risks, and discover advanced methods for identifying and qualifying project and program risks.

## PROGRAMME OBJECTIVES

- Improve risk management throughout the project life cycle
- Track projects with solid metrics, not with speculation
- Better handling of difficult vendors
- Improved time and cost estimates for risky and challenging projects
- Reduce cost and schedule risks using advanced, proven techniques
- Accurately report progress even on complex and risky projects
- Improve stakeholder communication and involvement

## TRAINING METHODOLOGY

### How you will benefit:

- Understand and master the people skills needed for effective project management
- Develop skills to communicate horizontally across functional levels and vertically with senior levels of management
- Effectively define project objectives and assignments
- Effectively utilize scheduling methods and tools to support project control and analysis
- Develop and utilize risk management, contingency planning and change control
- Effectively prioritize objectives and assignments

### And you will learn:

- Advanced tools for scheduling and control

- Planning for contingencies
- Aligning projects to the enterprise by defining project drivers and considerations
- Skills to enhance teamwork and managing conflict
- To select, develop and evaluate Project Managers
- Purchasing, supply chain management and contract administration
- Management of supplier relationships
- Optimization planning
- Strategies to survive in a resource constrained environment

## PROGRAMME OUTLINE

- Introduction
  - Why do we do projects?
  - What is a project?
  - What is project management?
  - Project Delivery Systems / Life-cycle Models
- Initiating
- Project selection
  - Qualitative techniques
  - Quantitative techniques - Economic Evaluation
- Selecting the right project manager
- Project Objectives and Stakeholder assessment - who wants what?
- Identification of stakeholders
- Stakeholder analysis
- Management of stakeholders
- Planning
  1. Task Characteristics and Duration Assessment
  2. Planning and Scheduling Methods
  3. Critical Path vs Critical Chain Scheduling
  4. Resource Allocation Methods
  5. Time-Cost Trade-off
  6. Lead/Lag Scheduling
  7. Critical Chain scheduling
- Proactive Project Risk Management
  - What do we mean by risk?
  - Risk vs. uncertainty
  - Attitudes towards risk
  - Risk identification, factors and sources
  - Risk analysis approaches
  - Qualification and quantification of probability and impact
  - Dealing with subjective elements of risk
  - Risk strategies
- Executing
  - Lean Construction Strategies
  - Staff Acquisition
  - Team Development and Motivation
  - Leadership vs Management
  - Management styles and Conflict Handling
- Monitoring and controlling
  - Using Earned Value to report accomplishment

- Implementing Risk strategies
- Project Closing