

1511 – Advanced & Applied Project Management

Learning Objectives:

- To refresh fundamental project management terminology, definitions, and standard processes
- To review characteristics and processes associated with the emergence of a project
- To define scope and identify critical success factors for a project
- To identify, analyze, and assess key project stakeholders
- To improve project team resource management
- To enhance project team communications
- To enhance project risk management capabilities
- To control project changes
- To properly track and report a project's status, progress, and forecast
- To incorporate key lessons learned throughout the project
- To apply advanced project management principles using simulation project software

1. Essentials of Project Management

- Key definitions and terminology
- Triple Constraints of project management

2. Planning

- Project initiation and emergence
- Project requirements
- Scope definition
- Success criteria
- Simulation session #1

3. People

- Stakeholder identification and analysis
- Resource planning, roles and responsibilities
- Team leadership styles
- Project team communications
- Leading virtual teams
- Simulation session #2

4. Possibilities

- Project risk management
- Project change management
- Project status reporting and forecasting (EVT)
- Lessons learned
- Project closure and assessment
- Simulation session #3

Simulation Software and Team Exercises:

Advanced and Applied Project Management is designed to help the project management practitioners improve their expertise through a combination of lecture, hands-on exercises, and simulation software. The simulation software allows class teams to carry a realistic project from beginning to end. These sessions will not only test the participants' ability to plan, execute, and control the project, but also gain some valuable lessons learned from leading a project team with issues that we encounter on our every day projects.

In addition to the simulation software sessions, teams will perform hands-on exercises in the following areas:

- Project Definition
- Stakeholder Identification and Analysis
- Risk Identification and Analysis
- Lessons Learned and Final Reporting