Today’s information technology project manager faces projects of increasing size, complexity and risk. Your job as project manager is to make sure that all of the components come together and to see that the project is completed on time and within budget.

Yet the definition of “all the components” keeps getting broader and more complex. More and more IT projects depend on critical systems integration (SI) issues, including client/server development, open systems design, enterprise solution implementation, legacy systems maintenance and multi-site deployment.

Now you can identify and explore the complex technical and business issues involved in integrating custom software, hardware solutions, telecommunications networks, commercial off-the-shelf (COTS) software, business procedures and services, and support facilities.

Through an interactive case study and classroom discussions, you’ll experience what it takes to be the project manager on a typical SI project. You’ll develop an understanding and appreciation of the problems that can occur and explore ways to solve them. And you’ll gain an understanding of the critical need for a systems integration project manager on large IT projects in the real world.

If you face a future assignment as a systems integration project manager, this course will give you tools and techniques needed for survival.

Reminder: Participants should have completed at a minimum an introductory course in project management, such as Managing IT Projects or Managing Projects.

**What is Systems Integration (SI)?**
- Systems Integration and SI projects
- Typical SI projects
- Importance of SI project management

**Process Evaluation**
- Managing the complexity of SI projects
- Decomposition and delegation as key paradigms in SI
- Value of formal methods, processes and skills for managing SI projects

**SI Project Organization**
- Creating effective SI WBS
- Developing effective SI project teams
- Organizing for SI projects

**Controlling SI Projects**
- Estimating for SI projects
- Define SI metrics for project performance measurement
- Process mapping
- Interaction complexity in SI projects

**Integration Risk Management**
- SI risk management
- Tools for managing SI complexity
• Configuration and integration management

**SI Execution Management**
• SI project execution
• Requirements analysis
• Procurement considerations
• Execution change analysis

**Integration and Testing Management**
• Testing concerns for SI
• Managing testing issues
• Tools to facilitate test planning

**SI Deployment Management**
• Key system deployment issues in SI projects
• Single and multi-site deployment
• Options for predictable crises

**SI Project Closeout**
• SI closeout issues
• The SI project closeout plan