



Agile Fundamentals

Course #: AG-100 **Duration:** 1 day

Prerequisites

None.

Details

This course gives attendees a broad overview of Agile, focusing on the popular Scrum framework as an example of how Agile can transform organizational projects. You will learn key agile principles, the end-to-end agile process, and how and why agile works to consider and discuss possible implementation with your organization.

Software Needed

None.

Outline

Agile Fundamentals

- **Getting Started with Agile**
 - Traditional Project Management (Waterfall)
 - What is Agile?
 - Iterative and Incremental Development Strategies
 - Differences Between Waterfall and Agile
 - The History of Agile
 - The Agile Manifesto
 - Frameworks / Methodologies of Agile
- **Using the Scrum Framework**
 - The Scrum Framework
 - Scrum Roles
 - Product Owner
 - Scrum Master
 - Scrum Team
 - History of Chickens and Pigs
 - Scrum Team Breakdown
 - Stakeholders
 - Stakeholder Identification
 - Stakeholder Responsibilities
 - Types of Stakeholders
 - Factors Affecting Stakeholder Involvement

- Customers
 - The Scrum Process
 - What is the Product Backlog?
 - User Stories
 - Sprint Planning
 - Sprint Characteristics
 - Closure
- **Managing Projects with Scrum**
 - Estimating User Stories
 - Ideal Days
 - Story Pointing
 - Product Backlog - Estimating Stories Example
 - Product Poker
 - Daily Scrum Meeting
 - Burn-down Chart
 - Progress Charts
 - Metrics for Tracking
 - Best Practices to Manage Scrum
 - Product Owner: Proxy or Facilitator?
- **Success Factors to Implement Agile**
 - Resolve Risks in Agile Projects
 - Integration Issues
 - Hardening Issues
 - Blocking Issues
 - Myths about Agile
 - Agile and CMMI
 - Agile and PMBOK
 - Micro-Management with Agile
 - Estimation Challenges
 - Growth Opportunities
 - Scrum of Scrums
 - The Benefits of Agile