Learning Alliance Corporation
EXCHANGING IDEAS, SHAPING FUTURES

7380 W. Sand Lake Rd #500
Orlando, FL 32819
PH: 407-964-33312 x700
www.mylearningalliance.com

Agile Project Management Methodologies

This two-day (16 hour) course provides both the practice and the theory of planning and managing agile projects using methodologies such as scrum, XP (eXtreme Programming), and lean project management methodologies.

Who Should Attend

Scrum Masters (coaches), Product Owners (customers), and team members.

Course Prerequisites

Introduction to Agile Project Management

Next Steps and Related Courses

PMI Agile Certified Professional (PMI-ACP)® Exam Preparation

Course Outline

1 - Core Agile Concepts

- Core Agile Concepts Overview
- Traditional Project Management Methodologies
- Drawbacks of Waterfall Methodologies
- Agile Approach
- Agile and Traditional Project Management
- Choice of Methodologies/Frameworks
- Importance of All Stakeholders Sharing an Agile Perspective
- Agile Principles and Mindset

2 - The Agile Manifesto

- The Agile Manifesto Overview
- Manifesto Contributors
- Manifesto Values
- Manifesto Principles

3 - Scrum Methodology Elements and Terminology

- Scrum Methodology Elements and Terminology Overview
- Project (Product; Release) Initiation
- Scrum Planning
- Scrum Sprint Planning and Executing

4 - Project Initiation

- Project Initiation Overview
- Determine Project Justifications and Metrics
- Provide Value-Driven Delivery
- Write Project Vision Statement
- Create Project Charter
- Identify Stakeholders and Leader/Coach
- Form Project Team

5 - Scrum Teams and Team Space

- Agile Teams and Team Space Overview
- Scrum Master/Coach
- Product Owner/Customer
- Team Members/Developers (XP)
- Team Space
- Physical Space Recommendations

6 - Scrum Planning

- Agile Planning Overview
- Develop Epics and Stories, Create Stories
- Non-Customer Facing Stories
- Personas and Extreme Personas
- Story Maps
- Estimating Stories
- Prioritizing Stories
- Create Product Backlog
- Create Product Roadmap
- Conduct Release Planning
- Create Parking Lot

7 - Sprints

- Iterations/Sprints Overview
- Velocity Determination
- Iteration Planning Meeting
- Iteration Planning Guidelines
- Development and Testing
- Daily Standup Meetings
- Progress Tracking
- Velocity Tracking
- Monitoring & Controlling: Burndown, Burnup Charts, Cumulative Flow Diagrams, and Kanban Charts
- Communicating Information and Backlog Grooming
- Sprint Reviews
- Closing: Sprint, Release, and Product Retrospectives
- Closing: releasing resources, final reports, archiving documents

8 - Other Agile Principles and Best Practices

- XP Principles and Best Practices
- Lean Software Development Principles and Best Practices
- Lean-Agile Software Development Portfolio Management
- Incorporating Scrum and Agile Practices into the Organization