

Agile Fundamentals

Course Description

Agile Fundamentals is designed for agile project team members, product owners, project leaders and senior managers looking to acquire a firm grasp of the agile approach to new product development using agile practices. You will learn what is needed to be successful on Agile projects in your organization, from project visioning through planning and iterative development of the product. Application of the fundamental models of the iteration review and iteration retrospectives are also included, as well as the concepts of inspect and adapt, self-assessment, and continuous improvement.

Course Objectives

At the conclusion of this course, students will be able to:

- Compare the agile and waterfall project management approaches to determine which methods are best suited to your project
- Apply the basics of agile team organization
- Use agile chartering and high-level estimating principles to initiate a project
- Create personas, user stories, and perform story level estimation
- Create and manage a product backlog
- Use low-tech, high touch team communication methods on projects
- Apply the principles of servant leadership
- Plan and conduct a basic iteration review and iteration retrospective

Course Outline

The Agile Value Proposition

- What is Agile?
- Comparison of agile and traditional approaches
- Timeboxing and prioritization
- Traditional & incremental delivery
- Early delivery of value
- Inspect and adapt

The Agile Manifesto and Agile Principles

Agile Delivery Teams

- Team environment
- Team participants & roles
- Self-organizing team principle
- ScrumMaster/Team Facilitator

Building High Performance Teams

Project Initiation

- Feasibility metrics
- Project charter and vision
- Personas
- Requirements decomposition
- Progressive elaboration
- Managing the product backlog
- Creating user stories
- Types of estimation
- The product roadmap

Servant Leadership

Duration & Units:
2 Days, 14 Contact Hours

Level of Knowledge



Audience:

This course is designed for Agile project team members, product owners, project leaders and senior managers, this course offers project managers a firm grasp of the Agile approach as it relates to new product development.

Course Benefits:

- Gain an understanding of the Agile Team basics
- Learn how to apply the fundamental models of Iteration Review and Iteration Retrospectives
- Learn to utilize the concepts of Inspect and Adapt

Course at-a-Glance:

- 2 Days, 14 Contact Hours
- 8 am to 4 pm daily

Other Recommended Courses:

- PMI-ACP® Exam Prep
- Certified ScrumMaster (CSM) course
- Managing Small Projects
- Defining and Managing Requirements

continued...

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Course Outline *(continued)*

Release Planning

- Story mapping
- Decomposing stories
- Story level estimation
- Prioritization factors
- Kano analysis
- Pareto analysis
- MoSCoW prioritization
- Relative Ranking
- Risk burndown graph
- Risk adjusted backlog
- Creating a release plan
- Preparing for the upcoming iteration

Inside the Iteration

- Tasks within an iteration
- Roles within an iteration
- Using Storyboards/Task Boards
- Communication and team space
- Daily stand-up meeting
- Information radiators
- Burndown/burnup tracking
- Tracking features delivered
- Velocity per iteration
- Escaped defects
- The iteration review
- The iteration retrospective

Overview of Agile Methodologies

- Scrum core concepts
- XP core concepts
- Kanban core principles
- Lean core concepts
- Crystal family of methodologies
- FDD 5-step process core concepts
- DSDM core principles

Course Materials

Students will receive the following material with the course attendance:

- Agile Fundamentals Workbook

*This course counts as credit towards an RMC Fellow's Certificate™ Program designation.

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