



Course code: 2923
Classroom Learning:
3 days

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PROJECT MANAGEMENT

Agile Project Management Bootcamp

Course presented in conjunction with Global Knowledge Ltd.

Course description

Learn to lead Agile projects and deliver what your customers want faster and better than ever before.

In this course, you will learn to improve your professional skills—a key ingredient to Agile success. Today's teams require vastly different leadership and management skills from Project Managers to truly achieve success. You can't simply tell everyone what to do. Instead, you need to be a strong coach, a change agent, and a very effective communicator. Agile is no longer a grassroots movement to change software development. PMI is embracing Agile, recognizing the significant positive impact it has had on delivering better results for customers.

This class is a stimulating combination of class interaction, active learning exercises, and group collaboration. Each is designed to allow you to learn through practice so you can readily apply what you have learned in your own workplace right away. Every instructor has been in the trenches as a project manager with Agile teams and will bring that experience to class.

What You'll Learn

- Embrace a model of continuous planning over simply following a plan
- Transform your project management style from "command and control" to "empower and inspire"
- Create a cadence for the team and eliminate process distractions for a dramatic boost in efficiency
- Establish credible and achievable estimates using agile estimating techniques
- Communicate more transparently and reduce interruptions to your team
- Rapidly build trust with your customers through frequent and effective collaboration

Who Needs to Attend

- Project managers
- Analysts, developers, programmers, testers
- IT managers/directors
- Software engineers, architects, and managers
- Testing managers and leaders



Course outline

1 The Agile Life Cycle

Why Agile?
Project Problems
Agile Answers
The Agile Project Life Cycle
Key Agile Features
Agile Roles Worksheet
Agile Roles Worksheet Example

2 Agile Concepts

About Agility
The Agile Manifesto
The 12 Agile Principles
Key Agile Concepts
Agile Concepts vs. Our Methodology Worksheet

3 Initiating an Agile Project: Envisioning

Envision the Agile Project Scope and Constraints
Project Vision Template
Envision the Project Team
The Agile Project Team
Team Formation

4 Initiating an Agile Project: Documenting High-Level Requirements

Identify the System Users
Personalize the System Users
Create the Product Vision Statement
Create the Product Backlog: Write User Stories
INVEST in Good Stories
Thin-Slicing Stories
Epic

5 Initiating an Agile Project: Estimating Effort

Make Rough Effort Estimates
Story Points
Ideal Days
Play Planning Poker

6 Initiating an Agile Project: Prioritizing Requirements

Prioritize Stories
Business Value
Technical Risk
Minimum Feature Set
Story Dependencies

7 Initiating an Agile Project: Creating an Overall Project Plan

Establish Project Timeboxes
Project Timebox
Iteration Timebox
Estimate Project Velocity
Estimating Velocity: Story Points
Estimating Velocity: Ideal Days
Plan Iterations and Releases
Plan Iterations and Releases (cont.)
Iteration Zero
Embrace the Overall Project Plan

8 Planning an Iteration

Elaborate Iteration Requirements
Iteration Goal
Iteration Stories
More Requirements Detail
Use Case Description Worksheet
Identify Iteration Tasks
Estimate Iteration Tasks
Finalize the Iteration Plan

9 Building a Product Increment

Coach the Agile Team
The Agile Project Life Cycle
Self-Directed Teams
Coach the Agile Team (cont.)
Agile Coaching
Agile Coaching Scenarios Introduction
Immerse the Team in Status
Daily Stand-up Meetings
Information Radiators
Communicate with Others

10 Holding an Iteration Review

Hold an Iteration Review
The Iteration Review Meeting
Meeting Agenda
Worksheet Agenda
Obtain Product Acceptance
Hold an Iteration Retrospective

11 Adapting to Changes

Update the Product Backlog and High-Level Plan
The Agile Project Life Cycle
The Nature of Change
Adapting the High-Level Plan
Continue with the Next Iteration

Student Case Study 1

Student Case Study: Texas-T
Company Description
The Problem
Assignment

Instructor Case Study 1

Topics
Instructor Case Study: Glow-Bell Knoll Edge
Company Description
The Problem
Assignment

Appendix A: Bonus Exercises

Appendix B: Section Review Answers

Appendix C: Glossary

Appendix D: References