

Course Outline

PMI Agile Certified Practitioner (PMI-ACP) Boot Camp Course AGILECERT: 4 days Instructor Led

About this course

Agile has made its way into the mainstream – it's no longer a grassroots movement to change software development. Today, more organizations and companies are adopting this approach over a more traditional waterfall methodology, and more are working every day to make the transition. To stay relevant in the competitive, professional world, it's increasingly important that professionals can demonstrate true leadership ability on today's software projects. The Project Management Institute's Agile Certified Practitioner (PMI-ACP) certification clearly illustrates to colleagues, organizations or even potential employers that you're ready and able to lead in this new age of product development, management and delivery.

This PMI-ACP exam prep training not only prepares you to lead your next Agile project effort but ensures that you're prepared to pass the PMI-ACP certification exam. This course provides a proven combination of class learning and testing that prepares students for some of the most difficult of testing situations. Questions are designed to allow you to learn through practice so that you will be able to apply what you have learned for the exam.

PMI, PMI-ACP, PMP and PgMP are registered marks of the Project Management Institute, Inc.

Audience profile

This PMI-ACP exam prep is designed for anyone who is considering the use of an Agile PM methodology for software development, including:

- Project Managers
- Program Managers
- Analysts
- Developers
- Testers
- IT Managers/Directors
- Software Engineers
- Software Architects
- Software Managers
- Testing Managers
- Team Leaders

At course completion

After completing this course, students will be able to:

- Learn precisely what you will need to know in order to pass the Agile Certified Practitioner (PMI-ACP) Exam
- Understand Agile principles and practices which will transform team performance and improve customer satisfaction
- Acquire valuable insights into how you can empower and inspire your team
- Discover techniques to more actively manage a project's scope to help better ensure the delivery of the best product possible, even if that differs from what was planned
- Learn to better know and collaborate with customers for better results

Course Outline

- Learn the most powerful metrics to employ to ensure that teams continuously improve their development and delivery
- Avoid the pitfalls many teams fall into when adopting Agile practices
- Gain powerful insights, techniques, and skills to successfully coach a new or existing agile team
- Arm yourself with the latest industry knowledge on how to manage dynamic projects in the most unforgiving environments

Course Outline

Part 1: Getting Started

During this kick-off section of the class the group not only covers introductions and course objectives, but they are also taken through an overview of the different Agile methods that are tested on the exam. This section specifically covers:

1. Introductions
2. Objectives
3. Working Agreements
4. Agile Overview
 - Why Agile?
 - What is Agile?
 - Agile Manifesto & Principles
 - Agile Practices
 - The Agile Team
 - Agile Metrics

Part 2: Tools and Techniques

During this section of the class, the group examines the PMI recognized Tools and Techniques of Agile Project Management. This material represents 50% of the material on the test. This section specifically covers:

1. Agile analysis and design
2. Agile estimation
3. Communications
4. Interpersonal skills
5. Metrics
6. Planning, monitoring, and adapting
7. Process improvement
8. Product quality
9. Risk management
10. Value-based prioritization

Part 3: Knowledge and Skills

During this section of the class the group explores Agile Knowledge and Skills. This material represents 50% of the material on the test. This section specifically covers:

Course Outline

1. Agile values and principles
2. Agile frameworks and terminology
3. Agile methods and approaches
4. Assessing and incorporating community and stakeholder values
5. Stakeholder management
6. Communication management
7. Facilitation methods
8. Knowledge sharing/written communication
9. Leadership
10. Building agile teams
11. Team motivation
12. Physical and virtual co-location
13. Global, cultural, and team diversity
14. Training, coaching, and mentoring
15. Developmental mastery models (for example, Tuckman, Dreyfus, Shu Ha Ri)
16. Self-assessment tools and techniques
17. Participatory decision models (for example, convergent, shared collaboration)
18. Principles of systems thinking (for example, complex adaptive, chaos)
19. Problem solving
20. Prioritization
21. Incremental delivery
22. Agile discovery
23. Agile sizing and estimation
24. Value based analysis and decomposition
25. Process analysis
26. Continuous improvement
27. Agile hybrid models
28. Managing with agile KPIs
29. Agile project chartering
30. Agile contracting
31. Agile project accounting principles
32. Regulatory compliance
33. PMI's Code of Ethics and Professional Conduct