



Agile Certified Practitioner ACP Preparation course

Duration: 3 Days

Language: English

Course Delivery: Classroom

Course Overview

The PMI-ACP recognizes knowledge of agile principles, practices and tools and techniques across agile methodologies.

Course Objectives

- Demonstrate to employers their level of professionalism in agile principles, practices, tools and techniques.
- Increase their professional versatility in project management tools and techniques.
- Hold a certification that is more credible than existing offerings based only on exams or training.

Target Audience

If you already use agile practices or your organization is adopting agile methods, earning the PMI Agile Certified Practitioner (PMI-ACP)[®] certification will demonstrate your knowledge of and commitment to this rapidly growing approach to project management.

Delivery Method

Instructor led, group-paced, classroom-delivery learning model with structured hands-on activities.

Course Outline

1. Introduction to PMI and PMI- ACP

2. Introduction to Agile Framework

- Why and When Agile
- Agile Manifesto
- Agile Vs. Waterfall
- Agile Methods
 - SCRUM
 - Extreme Programming (XP)
 - Feature Driven Development
 - LEAN
 - DSDM
 - Crystal

3. Value Driven Delivery

- What is value Driven Delivery
- Assessing Value
- Planning Value

- i. Customer Value Prioritization
 - 1. MoSCoW prioritization
 - 2. Kano Analysis
- ii. Relative Prioritization
- iii. Product Roadmap - Story Map
- iv. Risk Adjusted Backlogs
- v. Agile Contracts
 - 1. DSDM Contracts
 - 2. "Money for Nothing and your change for Free"
 - 3. Graduated Fixed Price Contract
 - 4. Fixed Price Work Package
- d. Delivering Value
 - i. Task and Kanban Board
 - ii. WIP Limits
 - iii. Incremental Delivery
 - iv. Confirming Value
- e. Tracking and Reporting Value
 - i. Agile EVM
 - ii. Cumulative Flow Diagrams (CFDs)
 - iii. Risk Burn Down Graphs
 - iv. Tasks / Kanban Boards

4. Stakeholder Engagement

- a. Aligning Stakeholders' understanding
 - i. Wireframes
 - ii. Personas
 - iii. User Stories/Backlogs
 - iv. Story Maps
 - v. Incorporating Stakeholder Values
 - vi. Stakeholder Management
 - vii. Vendor Management
- b. Communicating with Stakeholders
 - i. Information Radiators
 - ii. Burn Down and Burn Up Charts
 - iii. Velocity
 - iv. Agile Modeling
- c. Critical Soft Skills
 - i. Negotiation
 - ii. Active Listening
 - iii. Facilitation Methods
 - iv. Globalization, Culture and Team Diversity
 - v. Conflict Resolution
 - vi. Distributed Teams
 - vii. Participatory Decision Models

- d. Leading Effectively
 - i. Servant Leadership
 - ii. Leadership Tools and Techniques

5. Boosting Team Performance Practices

- a. Understanding Team Performance
 - i. Adaptive Leadership
 - ii. Emotional Intelligence
 - iii. Building Empowered Team
 - iv. Building High Performance Team
- b. Team Practices
 - i. Daily Stand -Ups
 - ii. Coaching and Mentoring
 - iii. Brainstorming
 - iv. Team Space
 - v. Co-located and Distributed Teams
 - 1. Osmotic Communication
 - 2. Tacit Knowledge
 - 3. Communication Tools
 - vi. Agile Tooling
 - 1. Low Tech, High Touch tools
 - 2. Digital Tools

6. Adaptive Planning

- a. Planning Concepts
 - i. Time boxing
 - ii. Progressive Elaboration
 - iii. Process Tailoring
 - iv. Minimum Marketable Features
 - v. Value Based Analysis
 - vi. Value Based decomposition and Prioritization
 - vii. Agile Games
- b. Estimation
 - i. Planning Poker and Wideband Delphi
 - ii. Ideal Time
 - iii. Relative Sizing/Story Points
 - iv. Affinity Estimating
 - v. Agile Project Accounting Principal
- c. Agile Plans
 - i. Agile Charters
 - ii. Business Case Development
 - iii. Product Vision
 - iv. Release Planning
 - v. Story Maps

vi. Iteration Planning

7. Problem Detection and Resolution

a. Identifying Problems

i. Cycle Time

ii. Escaped Defects

iii. Project and Quality Standards

iv. Failure Modes and Alternatives

v. Variance and Trend Analysis

vi. Control Limits

b. Resolving Problems

i. Continuous Integration

ii. Risk Based Spikes

iii. Frequent Verification and Validation

iv. Test Driven Development (TDD) /Test-First Development (TFD)

v. Acceptance Test Driven Development

vi. Problem Solving

8. Continuous Improvement

a. Retrospectives

b. Knowledge Sharing

c. Process Tailoring

d. Principal of Systems Thinking

e. Process Analysis

f. Applying New agile Practices

g. Continuous Improvement Process