

Module Title : PMI-Agile Certified Practitioner

Duration : 4 days

Overview

The PMI Agile Certified Practitioner (PMI-ACP)[®] formally recognizes your knowledge of agile principles and your skill with agile techniques. It will make you shine even brighter to your employers, stakeholders and peers.

The PMI-ACP[®] is our fastest growing certification, and it's no wonder. Organizations that are highly agile and responsive to market dynamics complete more of their projects successfully than their slower-moving counterparts — 75 percent versus 56 percent — as shown in our 2015 Pulse of the Profession[®] report.

The PMI-ACP spans many approaches to agile such as Scrum, Kanban, Lean, extreme programming (XP) and test-driven development (TDD.) So it will increase your versatility, wherever your projects may take you.

Course Objectives

Prepare trainees for obtaining the PMI – ACP certification. Additionally the course should also help you to:

- Apply agile practices on specific project situations;
- Understand the agile approach, during the requirement, analysis, design, development, tests and deployment phases;
- Understand the challenges of the agile approach in project management;
- Determine if the agile approach is an option considering the project situation and environment;
- Adapt the agile approach;

Course Prerequisites

General Project Experience

- 2,000 hours working on project teams
- These hours must be earned within the last 5 years
- Active PMP[®] or PgMP[®] will satisfy this requirement

Agile Project Experience

- 1500 hours working on agile project teams or with agile methodologies
- These hours are in addition to the 2,000 hours required in “general project experience”
- These hours must be earned within the last 3 years

Training in Agile Practices

- 21 contact hours
- Hours must be earned in agile practices

Course Outline

Module 1 - About The PMI-ACPM Certification And The Exam

Module 2 Introduction To Agile

- Agile History
- Agile Manifesto
- Agile vs Waterfall

Module 3 - Project Selection

- Project Charter
- Project Selection Methods

Module 4 - Define Requirements

- Brainstorming
- Root-Cause Analysis
- 20/20 Vision
- “Buy a Feature”
- The Apprentice
- “Product Box”
- “Prune the Product Tree”
- Force Field Analysis
- “Parking Lot”
- Personas and Extreme Personas
- Wireframes

Module 5 - Agile Planning

- Release and Iteration Planning
- Vision Document
- Product Roadmap
- Themes
- Epic Stories
- User Stories and Story Cards Story Maps
- Features
- Minimal Marketable Feature
- Tasks

- Value Stream Mapping
- Progressive Elaboration
- Rolling Wave Planning
- Test-First Development
- Agile Modeling
- Time Boxing
- Continuous Integration

Module 6 - Agile Estimating

- Relative Sizing
- Delphi and Wideband Delphi
- Planning Poker
- Affinity Diagramming
- Ideal Time
- Velocity
- Cycle Time
- Burn Rate
- Product Backlog

Module 7 - Working With Agile

- Quality Management
- Backlogs
- Verification and Validation
- Kaizen
- WIP Limits
- Retrospectives
- Change Management
- Escaped Defects
- Smells
- Spikes
- Kaizen
- Refactoring
- Risk-Adjusted Backlogs

Module 8 – Communication

- Osmosis Communication
- Burn Up and Burn Down Charts

- Kanban Boards
- Radiators
- Cumulative Flow Diagram

Module 9 - Stakeholder And Team Management

- Collaboration
- Motivation
- Negotiation
- Emotional Intelligence
- Conflict Management
- Leadership

Module 10 - Earned Value Management

- Earned Value Adjusted to Agile
- Reporting

Module 11 - Agile Methodologies

- Scrum
- XP
- Lean