PMI Agile Certified Practitioner (PMI-ACP)®
16 Hours

Course Description

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 PMI Agile Certified Practitioner (PMI-ACP)® certification clearly illustrates to colleagues, organizations or even potential employers that students are ready and able to lead in this new age of product development, management and delivery.

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 students' versatility, wherever your projects may take you.

This course provides students with 21 contact hours in agile practices to help attain the Project Management Institute (PMI)® credential.

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

Skills Learned

After completing this online training course, students will be able to:
- Use an Agile approach to effectively manage a project's schedule, scope, budget, quality, and team
- Tangible, effective methods of team-based planning
- Creating transparent communication among and with customers
- Prioritizing methods that will help the team build trust with customers
- Connecting all five levels of planning to create cadence for the team
- Establishing a road map for what you want to apply to your team and how success with Agile can be achieved

Prerequisites

Some project management experience is recommended. For more information on PMI Agile Certified Practitioner (PMI-ACP)® Exam requirements go to http://www.pmi.org/ and click on "Certifications".

Who Should Attend

- Project managers
- Program managers
- Analysts
- Developers

- Testers
- IT Managers/directors
- Software engineers and architects
- Team Leaders

Course Outline

01. Intro to the PMI-ACP exam
- Terminology and exam content outline review
- Knowledge and skills area overview
- The Agile Manifesto
- Empirical Process Control

02. Domain I: Agile Principles and Mindset
- Overview of Agile Methodologies
- Scrum
- Extreme Programming
- Dynamic Systems Development Method (DSDM)
- Lean Product/Software Development
- Kanban
- Feature Driven Development (FDD)
- Crystal Methods
- Adaptive Software Development (ASD)
- Developing a Successful Mindset

03. Domain II: Value Driven Delivery
- ROI and Benefit Measurement Methods
- Earned Value
- Key Performance Indicators
- The Gulf of Misunderstanding
- Dot Voting or Multi-Voting
- MoSCoW
- Monopoly Money
- 100-Points
- Kano Analysis
- Customized Procurement

04. Domain III: Stakeholder Engagement
- Charters and Agile Projects
- Techniques of Pre-Project Engagement
- The Definition of Done
- Agile Knowledge Sharing and Communication
- Interpersonal skills
- Conflict Resolution
- Adaptive Leadership

05. Domain IV: Team Performance
- Tuckman's Ladder
- Shu-Ha-Ri and Skill Mastery
- Dreyfus Model:5 stages of skill acquisition
- Collaborative Working Environments
- Osmotic Communication
- Team and Individual Coaching
- Velocity tracking
- Burn Down and Burn Up Charts

06. Domain V: Adaptive Planning
- Iteration Zero
- Analyzing Based on Business Value
- Timeboxing
- Epics, Features and User Stories
- Story Mapping
- Relative Sizing
- Planning Poker
- Sprint Calculations
- Iterations and Spikes
- Initial Velocity Planning

07. Domain VI: Problem Detection and Resolution
- The Cost of Changes
- Refactoring
- Lead, Cycle Time and WIP
- Determining Defects
- Common and Special Causes
- Risk Adjusted backlog
- Risk Burndown Charts

08. Domain VII: Continuous Improvement

- Process Tailoring
- Cycle Time and Value Streams
- Value Stream Mapping
- Total Cycle Time and Process Efficiency
- Continuous Product Improvement
- Intraspectives and Retrospectives