



PMI Agile Certified Practitioner (PMI-ACP)

Course ID #: 7000-024-ZZ-Z

Hours: 21

Course Content

Course Description:

This course is designed to teach individuals Agile and Agile approaches. You will learn how to understand how a Scrum project and team operate, and the key principles and techniques that lead to project success. You will also learn the roles and responsibilities of a Scrum team and be able to understand how to coach Agile teams.

At Course Completion:

Students will be able to:

- Traditional / waterfall development versus Agile development
- Planning an Agile project
- Executing an Agile project
- Agile monitoring, metrics, and improvement
- Coaching Agile teams
- Agile methodologies
- Testing strategies

Prerequisites:

- Students looking to attain their PMI-ACP must meet the following qualifications before submitting their exam application:
 - Secondary Degree
 - 21 contact hours of training in agile practices (covered by course)
 - General project management experience by satisfying one of the following credentials:
 - 12 months of general project experience within the last 5 years
 - PMP certified
 - PgMP certified
 - 8 months of agile project experience within the last 3 years



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Topics:

Section 1 – Introduction

- Course overview and objectives
- Pre-assessment

Section 2 – Agile Certification

- PMI Overview
- Credentials
- Eligibility Requirements
- What is the PMI-ACP

Section 3 – Traditional Versus Agile Project Management

- Evolution of Project Management
- Process Control Models
- Constraints
- Process Groups
- PDCA
- Project Lifecycle
- Empirical Control
- Model Comparison
- Agile Feedback Loops
- Why Agile?

Section 4 – The Agile Manifesto Background

- The Manifesto
- The 12 Agile Principles
- The 5 Agile Values
- Declaration of Interdependence (DOI)
- Common Agile Approaches
- Lean
- Scrum
- Kanban Method
- eXtreme Programming (XP)

Section 5 – Planning Agile / Scrum Project Authorization

- Project Charter
- Scrum Framework
- Scrum Roles
- Scrum of Scrums
- Product Planning

- Vision Statement
- Roadmap
- Product Backlog
- User Stories
- Personas
- Planning Activities
- Release Plan

Section 6 – Executing Agile / Scrum Sprint

- Prioritization
- Daily Stand-up
- Sprint Review
- Product Increment
- Sprint Retrospective

Section 7 – Agile Monitoring and Metrics

- Monitoring overview
- Burndown Charts
- Burnup Charts
- Work In Progress (WIP)
- Swarming
- Kanban
- Control Charts
- Earned Value
- Backlog grooming
- Spikes
- Contracting
- Continuous Improvement
- Test-Driven Development (TDD)
- Acceptance Test-Driven Development (ATDD)
- Kaizen
- Five Whys
- Pre-Mortems
- Definition of Done (DoD)



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Section 8 – Coaching Agile Teams

- Role of Management
- PMO's
- Team Dynamics
- Communication Considerations
- Servant Leadership
- Emotional Intelligence (EQ)
- Adaptive Leadership
- Conflict Resolution
- Development Mastery Models
- Cone of Uncertainty
- Participatory Decision Models
- Successful ways to implement Agile
- Common Pitfalls

Section 9 – Agile Methodologies

- Agile Unified Process (AUP)
- Crystal Clear
- Dynamic Systems Development Method
- Essential Unified Process (EssUP)
- Feature Driven Development (FDD)
- Kanban
- ScrumBan

Section 10 – Exam Success

- Strategies & References