

# PMI-ACP Preparation Course (3 Day) – Course Outline

## Day 1

- Background
- Overview of certification and exam
- Exam preparation tips
- Overview of Domains, Toolkits, Knowledge and Skills
- Domain I: Agile Principles and Mindset
  - Introduction to Domain I
  - Agile Manifesto and Principles
  - The Agile Approach
  - Agile Process Overview
  - Toolkits for Domain I
  - Agile methods (overview of Scrum, Kanban, XP & others)
  - PMI Code of Ethics and Professional Responsibility
  - Domain I mini-test

## Day 2

- Domain II: Value-Driven Delivery
  - Introduction to Domain II
  - Defining positive value
    - Initiating an Agile project
    - ROI, NPV & IRR
    - Chartering
    - Product roadmap
    - Story backlog
    - Personas
  - Avoiding potential downsides
    - Risk adjusted backlog
    - Risk based spikes
    - Architectural spikes
    - Soliciting feedback
  - Prioritization
    - Customer valued prioritization
    - Minimal viable product
    - Minimal marketable features
    - MosCow
    - Kano analysis
  - Incremental development
    - Iteration and release planning
    - Timeboxing
    - WIP limits
    - Backlog grooming

- Product feedback/reviews
  - Domain II mini-test
- Domain III: Stakeholder Engagement
  - Introduction to Domain III
  - Stakeholder identification
  - Understand stakeholder needs
    - User stories
    - Wireframes
    - Story maps
    - Agile modeling
  - Ensure stakeholder involvement
    - Information radiators
    - Burn down/up charts
  - Manage stakeholder expectations
    - Soft skills
    - Servant leadership
  - Domain III mini-test

### **Day 3**

- Domain IV: Boosting Team Performance Practices
  - Introduction to Domain IV
  - Team formation
  - Team development model
  - Building agile teams
  - Developmental mastery models
  - Empower team to self-organize
  - Daily standups
  - Team collaboration and commitment
  - Co-located teams
  - Measuring and adjusting velocity
  - Domain IV mini-test
- Domain V: Adaptive Planning
  - Introduction to Domain V
  - Levels of planning
  - Inspect and adapt
  - Agile sizing and estimating
    - Relative sizing/story points
    - Wide-band Delphi
    - Planning poker
    - Affinity estimating
    - Ideal time
  - Domain V mini-test
- Domain VI: Problem Detection and Resolution
  - Introduction to Domain VI

- Cycle time
- Escaped defects
- Continuous integration
- Frequent verification and validation
- Failure modes and alternatives
- Problem solving techniques
- EVM for Agile projects
- Domain VI mini-test
- Domain VII: Continuous Improvement
  - Introduction to Domain VII
  - Retrospectives
  - Seeking feedback
  - Process tailoring
  - Kaizen
  - Value stream modeling
  - Fishbone diagram analysis
  - Domain VII mini-test
- Agile project simulation
- Course wrap-up