Agility Prime Solutions

Agile Training, Coaching, and Services

Agile Training Quote

Course Title:

Principles and Practices of Agile Software Development & Project Management

Course Overview:

Agility Prime Solutions' four-day instructor-led virtual Agile training class provides an understanding of Agile principles and teaches the practices that make Agile methods effective for delivering projects. Exercises, demonstrations, facilitated discussions, games, simulations, and videos are interwoven throughout the course to illustrate the principles being taught.

This course covers Agile concepts and practical learning around Agile project management, Agile software development, and highlights core concepts around iterative and incremental Agile methods along with Agile/Lean flow methods.

This course also allows students to claim 28 Project Management Institute (PMI) Professional Development Units (PDUs) which can be applied to Project Management Professional (PMP) and PMI-Agile Certified Practitioner (PMI-ACP) certifications.

Course Objectives:

- Understand the Agile manifesto, values, and principles
- Learn the Scrum framework and its roles, ceremonies, and artifacts
- Understand the Kanban method and its application in software development/project management
- Learn how to create user stories, acceptance criteria, and backlog refinement
- Understand estimation and prioritization techniques, including story points and velocity
- Learn how to plan and execute iterations, and manage iterations and releases
- Learn how to create project charters, vision statements, and product roadmaps
- Understand Agile engineering and quality practices
- Learn how to identify and remove impediments, and improve team performance
- Understand Agile metrics, including velocity, lead time, and cycle time
- Understand Agile project execution (incl. iteration execution and release management) and monitoring and controlling projects (incl. burn-down charts and velocity)
- Learn how to identify and remove impediments, and improve team performance

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Course Outline:

- Introduction to Agile and its history
- Agile values and principles
- Scrum framework: roles, ceremonies, and artifacts
- Kanban method: visualization, WIP limits, and flow
- User stories and backlog refinement
- Estimation and prioritization techniques
- Sprint/Iteration planning and execution
- Agile testing and integration
- Identifying and removing impediments
- Agile metrics and continuous improvement
- Project charter, vision statement, and product roadmap
- Estimation and prioritization techniques
- Agile project execution: iteration execution and release management
- Monitoring and controlling Agile projects
- Identifying and removing impediments
- Agile project closure: retrospective and lessons learned
- Case studies and group exercises

Target Audience:

This course is designed for product owners, scrum masters, project leads, project managers, software developers, testers, and other stakeholders who want to learn Agile software development & project management principles and practices.

Prerequisites:

None, but prior experience with software development and/or project management is recommended.

Training Rate

This virtual four-day course is offered at a rate of $7500 for up to 6 students.

Additional students may attend at a rate of $1200 per additional student after the first 6 students. The training rate include trainer, training fees, and a digital copy of all training material.

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Our Trainer

Richard Cheng is the founder of Agility Prime Solutions. Agility Prime Solutions provides transformative training programs in Agile methods such as Scrum and Kanban, as well as in concepts such as Agile testing and automation, coaching, facilitation, and managing user stories. A graduate of Virginia Tech and renowned Agile expert, Richard has presented keynote talks at conferences and events around the globe, authored publications on Agile and product management, and is a member of Mensa. Richard has extensive experience working with the federal government, large companies, small startups, non-profits organizations, and associations. In addition to being one of the few Certified Scrum Trainers (CST) accredited by the Scrum Alliance, Richard is also an Accredited Kanban Trainer (AKT), Certified ScrumMaster (CSM), Certified Scrum Product Owner (CSPO), Certified Scrum Professional (CSP), Certified LeSS Practitioner, Project Management Professional (PMP), PMI Agile Certified Practitioner (PMI-ACP), and SAFe Program Consultant (SPC).