

Course Code: BUS252**Course Name: Agile Certified Practitioner****Certification: PMI Agile Certified Practitioner (PMI-ACP)®****Duration: 3 months****Tuition: \$1895****Course Overview**

Agile projects use short work iterations and incremental development of products that focus on business priorities and customer value. In this course, you'll learn fundamental Agile concepts, including the eight Agile values and twelve Agile principles. This course also covers the five phases of the Agile project management model, and introduces you to the most common Agile methodologies and frameworks. The course introduces key activities for managing an Agile project, including creating a product vision and project charter, and best contract and documentation types.

Properly estimating and prioritizing project requirements is critical to Agile project planning success. You need to be able to map out the work necessary for your product release. In this course, you'll review critical Agile planning activities including creating personas and wireframing. The course covers the most common Agile estimation techniques such as story points, wideband Delphi, and affinity estimation. This course also covers requirements prioritization methods and activities you perform when completing your release plan. Successful Agile project management involves adequate scheduling and monitoring, which helps identify any adjustments that need to be made, and ensures effective time management. You will examine strategies for managing projects with Agile project scheduling activities like setting work in progress limits and implementing project buffers. The course covers recommended project time management processes for monitoring and tracking progress at both the iteration and project levels. This course also introduces you to key risk management and product quality, testing, and integration strategies you can use when managing Agile projects to help ensure your project creates and maintains the intended value as it progresses.

Agile projects are only successful if the Agile team is cohesive, productive, and engaged. Strong project managers encourage active involvement to ensure the team has a clear understanding of the project requirements and stakeholder expectations. In this course you'll learn about Agile teams and team leadership, including the characteristics of an effective Agile team. The course also introduces you to common team development strategies, and developmental mastery models. You will review strategies for effective use of communication tools and the benefits of using facilitation techniques like Agile games to foster collaboration and cooperation in the Agile team.

Agile projects use many of the tools and techniques from lean project management in order to ensure that processes are as efficient as possible. Agile tools are often simple and highly visual, where a co-located team can easily access them. This course will discuss concepts such as muda or waste, the Kanban system, process efficiency, Little's Law and the product vision. This

course introduces you to the benefits of co-located Agile teams, including osmotic learning and communication.

Course Content

- **Lesson 1 – Agile Principles and Methodologies**

This lesson covers the following topics:

- identify characteristics of the Agile method
- distinguish between primary and secondary Agile values
- identify the five phases of the Agile project management model
- identify some of the methodologies that can be used for Agile project management
- recognize the four Scrum inspect and adapt events
- identify the five ADAPT steps required to transition to Agile
- identify the recommended components of a business case
- recognize the elements of a project charter
- identify the contract types suitable for Agile projects
- identify helpful types of documentation for Agile projects
- demonstrate your understanding of the Agile principles and methodologies

- **Lesson 2 – Agile Project Planning**

This lesson covers the following topics:

- distinguish between the key tasks of release planning and iteration planning
- identify best practices for creating personas as part of requirements definition
- identify wireframing best practices for formatting user stories
- identify benefits of story mapping
- recognize Agile estimating techniques
- identify considerations to keep in mind when estimating team velocity
- distinguish between the different customer-valued prioritization methods
- identify the four MoSCoW model categories
- distinguish between characteristics of the Kano model and priority matrices
- identify the key activities that take place in the iteration planning meeting
- demonstrate your knowledge of Agile planning activities

- **Lesson 3 – Agile Project Scheduling and Monitoring**

This lesson covers the following topics:

- identify the benefits of setting WIP limits
- distinguish between different types of scheduling buffers
- sequence the steps of the Square Root of the Sum of the Squares method for calculating project buffer
- identify the steps of the backlog grooming process
- distinguish between tracking tools for the iteration level and the project level

- identify the required parameters for EVM
- recognize common review and feedback methods for Agile projects
- identify common risk management strategies for Agile projects
- recognize characteristics of Agile testing
- demonstrate your knowledge of Agile project scheduling and monitoring process activities

- **Lesson 4 – Agile Stakeholder Engagement and Team Development**

This lesson covers the following topics:

- identify essential strategies for achieving stakeholder commitment in an Agile project
- recognize the role of stakeholders throughout the phases of the APM model
- identify characteristics of effective decision-making techniques for Agile projects
- recognize characteristics of a cohesive and effective Agile team
- identify considerations to make when scaling Agile teams
- identify strategies to improve team performance
- distinguish between common developmental mastery models in Agile
- recognize effective communication tools for information flow in an Agile environment
- recognize benefits of Agile games
- demonstrate your knowledge of Agile stakeholder engagement and team development processes

- **Lesson 5 – Agile Key Exam Concepts**

This lesson covers the following topics:

- recognize examples of waste
- identify characteristics of the Kanban Pull system
- describe features of Kanban boards
- identify characteristics of lead time and cycle time
- recognize the formula for calculating process cycle efficiency (PCE) and the relationship between the formula variables
- recognize how the Little's Law formula is applied
- recognize attributes of a product vision box and an elevator test statement
- recognize characteristics of an Agile team's physical space
- demonstrate your understanding of key Agile concepts