



Introduction to Agile and Scrum Methodologies

Course ID #: 7000-593-ZZ-Z

Hours: 7

Course Content

Course Description:

Agile is a buzzword promising faster and more adaptive to change, right? While the word "agile" is nearly a cliché buzzword at this point, the values and principles of Agile offer sound guidance for navigating projects with unknown or highly fluid ends. Furthermore, this philosophy will be translated and realized in one of the many frameworks that personify nimble adjustment to change: Scrum. We will examine the strengths and weaknesses of not only Agile but also how this way of thinking manifests in the Scrum roles and events.

Course Objectives:

In this course, you will identify the Agile project management principles and use the Scrum methodology of Agile to manage projects.

You will:

- Identify basic concepts, core values, principles, and methodologies of Agile.
- Address the myths, challenges, and benefits of Agile.
- Define how the Scrum Framework (Roles and Events) exemplifies Agile philosophy.
- Execute sprint events using Scrum tools and techniques.

Prerequisites:

To ensure your success, you will need a basic understanding of how projects are executed in the business environment and an interest in Agile and Scrum.

Target Audience:

This course is intended for business professionals throughout all levels of an organization seeking to learn more about or enhance Agile and Scrum adoption. The passionate professionals work on or interact with projects in need of flexibility and adaptability uncommonly found in traditional, waterfall-style project management.

Topics:

Lesson 1: What is Agile?

- Course Introduction, schedule, and objectives
- Define the "why" of Agile
- Describe the Agile Manifesto
- Interpret the Twelve Agile Principles



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Lesson 2: Addressing the Myths, Challenges, and Benefits of Agile

- Discover the myths and misunderstandings
- Define the benefits of Agile
- Contrast the relationship between Agile and Waterfall
- Appraise the benefits of Agile

Lesson 3: Scrum Overview

- Define "What is Scrum?"
- Understand the Team Roles and Responsibilities
- Discover "Who is the Scrum Master?"
- Compare and Contrast the Scrum Master with the Project Manager

Lesson 4: Scrum Events and Features

- Preparing for a Scrum project
- Define the Scrum Events (Planning, Daily Scrum, Review, Retro, and the Sprint)
- Recognize the Product and Sprint Backlog
- Develop User Stories and Acceptance Criteria
- Identify Scrum estimation techniques
- Illustrate effective stakeholder communication techniques

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