

SCRUMstudy Agile Master Certified (SAMC)

Course Overview

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This is a 3-day class

Agile relies on adaptive planning and iterative development and delivery. It focuses primarily on the value of people in getting the job done effectively. This course includes free access to the exam and will earn you 21 PDUs. PLEASE NOTE: This course is NOT the Scrum Master Certified class.



Who Should Attend

This certification is appropriate for anyone interested in becoming familiar with the concepts and practices of Agile Project Delivery, and who wants to have a working knowledge of the various Agile methodologies. There is no formal prerequisite for this certification. However, a SDC™ or SMC™ certified professional will be able to easily understand the concepts required for the certification exam.

Course Objectives

Objectives are: - To provide an understanding of Agile philosophy and practices. -To provide a working knowledge of various Agile methodologies. - To provide students with the ability to compare and choose which methodology is appropriate in a given situation. - To prepare participants to pass the SAMC™ exam. - Participants will be familiar with the concepts and practices of Agile project delivery. - Participants will be equipped with detailed knowledge and understanding of available Agile methodologies. - Participants will be able to compare and choose the methodologies or parts of methodologies that are most relevant to their current and future situations. - Participants will be armed with the proper tools to take the lead in Agile projects and to address and resolve Agile issues in their organizations. - Participants will be SAMC certified.

Course Outline

1 INTRODUCTION

2 AGILE OVERVIEW

- Agile Defined
- Why Use Agile?
- Adaptive Project Management
- The Agile Manifesto
- Principles of the Agile Manifesto
- Declaration of Interdependence
- Difference between Waterfall and Agile

3 DOMAINS OF AGILE PRACTICES

- Value-Driven Delivery
- Stakeholder Engagement
- Team Performance Practices
- Adaptive Planning
- Problem Detection and Resolution
- Continuous Improvement
- Agile Tools and Artifacts

4 LEAN KANBAN SOFTWARE DEVELOPMENT

- Introduction
- Core Values
- Practices
- Understanding Lean Software Development
- Understanding Kanban Software Development



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5 SCRUM

- Overview of Scrum
- Brief History of Scrum
- Why Use Scrum?
- Scalability of Scrum
- Scrum Principles
- Scrum Aspects
- Scrum Processes
- Scrum and Kanban

6 EXTREME PROGRAMMING (XP)

- Introduction
- Core Values?
- Roles
- Practices
- XP Artifacts
- XP Events
- XP Release
- Adopting XP

7 TEST-DRIVEN DEVELOPMENT (TDD)

- Introduction
- The Process

8 DYNAMIC SYSTEMS DEVELOPMENT METHODS (DSDM)

- Introduction
- Core Values
- Roles
- Practices

9 CRYSTAL

- Introduction
- Core Values
- Roles
- Practices
- The Process

10 FEATURE DRIVEN DEVELOPMENT (FDD)

- Introduction
- Core Values
- Roles
- Practices
- The Process

11 COMPARISON OF AGILE METHODS

12 BEST FIT ANALYSIS TOOL

13 BLITZ PLANNING