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## SCRUMstudy Agile Master Certified (SAMC™)

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### Overview

Agile relies on adaptive planning and iterative development and delivery. It focuses primarily on the value of people in getting the job done effectively. Successful candidates will be awarded the SCRUMstudy Agile Master Certified (SAMC™) certification by SCRUMstudy after passing the included certification exam. The certification exam voucher is included in this course so you can take the exam at your convenience. This course may earn a Credly Badge.

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### Target Audience

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.

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### 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

Course outcomes:

- 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.

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### 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

### 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

## 14 - Note

SCRUMstudy has authored the SBOK™ Guide as a comprehensive guide to deliver successful projects using Scrum. SCRUMstudy works through its large global partner network of Authorized Training Providers (A.T.P.s) to deliver trainings and certifications. New Horizons is a proud Authorized Training Provider of SCRUMstudy.

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