

SCRUMstudy Agile Master Certified (SAMC™)

Syllabus

1. Introduction

2. Test-Driven Development

3. Agile Overview

- a. Agile Defined
- b. Why use Agile?
- c. Adaptive Project Management
- d. The Agile Manifesto
- e. Principles of the Agile Manifesto
- f. Declaration of Interdependence
- g. What has changed?
- h. Difference between Waterfall and Agile

4. Scrum Overview

- a. Overview of Scrum
- b. Brief History of Scrum
- c. Why Use Scrum?
- d. Scalability of Scrum
- e. Scrum Principles
- f. Scrum Aspects
- g. Scrum Processes
- h. Scrum and Kanban

5. Lean Kanban Software Development

- a. Introduction
- b. Core Values

6. Understanding Lean Software Development

- a. Introduction
- b. Core Values
- c. Practices of Lean Software Development
- d. Iterative Development

7. Understanding Kanban

- a. Kanban in Software Development
- b. Kanban Values
- c. Kanban Practices
- d. Definition of Lean Kanban
- e. Implementing Lean Kanban

8. Domains of Agile Practices

- a. Value-Driven Delivery
- b. Adaptive Planning
- c. Team Performance Practices
- d. Agile Tools and Artifacts
- e. Participatory Decision Models
- f. Stakeholder Engagement
- g. Continuous Improvement

9. Crystal

- a. Core Values
- b. Coles
- c. Practices
- d. The Process

10. DSDM

- a. Core Values
- b. Coles
- c. Practices

11. Best Fit Analysis Tool

12. Comparison of Agile Methods