

# SCRUMstudy Agile Master Certified (SAMC)

## Course Overview

This course provides students with an Agile overview. It also helps students to understand lean software development, understand Kanban, get an introduction to Scrum, understand XP software development, and learn about other Agile models.

**Course Introduction** 3m  
Course Introduction

**Chapter 01 - Course Introduction** 8m  
Lesson: Course Introduction  
Welcome to the Course!  
My Scrum/Agile Mentoring Community  
Why Are You Here?  
Using Bloom's Taxonomy  
What do you Expect?  
Housekeeping in the Classroom & Online  
Conventions Used  
Quizzes & Exercises  
Scrum Certification Exams  
Getting Started

**Chapter 02 - Agile Overview** 48m  
Agile Overview  
Learning Objectives  
Terms to Know  
Lesson: Intro to Agile  
History of Agile  
Agile Methods  
Why Use Agile?  
Adaptive Project Management  
Lesson: The Agile Manifesto  
Agile Manifesto Principles 1-5  
Agile Manifesto Principles 6-12  
Declaration of Interdependence  
What's New  
Traditional PM  
Lesson: Domains of Agile Practices  
Value-Driven Delivery

Adaptive Planning  
Team Performance Practices  
Agile Tools and Artifacts  
Participatory Decision Models  
Stakeholder Engagement  
Continuous Improvement  
Lesson: Agile Overview Summary  
Agile Overview Summary  
Chapter Quiz

### **Chapter 03 - Understanding Lean Software Development**

26m

Understanding Lean Software Development  
Learning Objectives  
Terms to Know  
Lesson: Lean Origins and Principles  
Lean History  
The Seven Principles of Lean  
Eliminate Waste  
Amplify Learning  
Decide as Late as Possible  
Deliver as Fast as Possible  
Empower the Team  
Build Integrity In  
See the Whole  
Benefits of Lean  
Lesson: Understanding Lean Software Development Summary  
Understanding Lean Software Development Summary  
Chapter Quiz

### **Chapter 04 - Understanding Kanban**

21m

Understanding Kanban  
Learning Objectives  
Terms to Know  
Lesson: Kanban Origins  
Origins of Kanban  
Kanban Four Principles  
Start with What You Do Now  
Agree to Pursue Incremental, Evolutionary Change  
Respect Current Process, Roles, Responsibilities, and Titles  
Encourage Acts of Leadership at all Levels  
Lesson: Six Core Practices of Kanban  
Visualize  
Limit Work-in-Process

Manage Flow  
Make Policies Explicit  
Implement Regular Feedback Loops  
Improve Collaboratively, Evolve Experimentally  
A Bit on Lean Kanban  
Lesson: Understanding Kanban Summary  
Understanding Kanban Summary  
Chapter Quiz

**Chapter 05 - Introduction to Scrum**

32m

Introduction to Scrum  
Learning Objectives  
Terms to Know  
Lesson: Scrum Overview  
Scrum Overview  
Project Management as a Discipline  
Software Development Lifecycle Management  
Scrum History  
Scrum Benefits  
Scrum Scalability  
Lesson: Scrum Concepts and Principles  
Scrum Principles  
Empirical Process Control  
Self-Organization  
Collaboration  
Value-Based Prioritization  
Time-Boxing  
Iterative Development  
Scrum Aspects  
Lesson: Scrum Processes  
Initiate  
Plan & Estimate  
Implement  
Review & Retrospect  
Release  
Lesson: Introduction to Scrum Summary  
Introduction to Scrum Summary  
Chapter Quiz

**Chapter 06 - Understanding XP Software Development**

20m

Understanding XP Software Development  
Learning Objectives  
Terms to Know

Lesson: Intro to Extreme Programming (XP)  
XP Origins  
XP Core Values  
XP Rules  
Planning  
Managing  
Designing  
Coding  
Testing  
Lesson: Extreme Programming (XP) Practices and Adoption  
XP Practices  
Release Planning  
XP Adoption and Integration  
Lesson: Understanding XP Software Development Summary  
Understanding XP Software Development Summary  
Chapter Quiz

## **Chapter 07 - Other Agile Models**

40m

Other Agile Models  
Learning Objectives  
Terms to Know  
Lesson: DSDM  
DSDM Origins  
DSDM Atern Principles  
DSDM Atern Project Lifecycle  
DSDM Atern Lifecycle Process  
Core DSDM Atern Techniques  
DSDM Atern Roles  
Lesson: Crystal  
Crystal Origins  
A Family of Methodologies  
Crystal Key Principles  
Crystal Clear  
Crystal Orange  
Lesson: Feature Driven Development  
FDD Origins  
FDD Five Activities  
FDD Milestones  
FDD Best Practices  
Lesson: Comparing Agile Methods  
Comparing Agile Methods  
Agile Models Focus on Different "Good" Things  
Lesson: Other Agile Methods Summary

Other Agile Methods Summary

Chapter Quiz

Course Closure

**Total Duration:** 3h 18m