

SCRUMstudy Agile Master Certified

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