

Scrum and Agile Immersion

Course Overview

This course provides students with the knowledge and skills to utilize Scrum, the agile software development framework for managing product development. Topics covered include roles and responsibilities, project lifecycle, building high performing teams, and scaling agile.

Module 1 - Introduction

4m

Course Introduction
Introduction
Course Overview
Course Modules
Instructor Introduction
Course Modules

Module 2 - Agile Overview

59m

Agile Overview
Agile Project Management
How Agile Started...
History of Agile
Project Success Statistics
Agile at Its Core:
4 Most Popular Frameworks
Waterfall vs Agile
Waterfall vs Agile
Waterfall vs Agile
Waterfall vs Agile
Causes of Project Delays
The Heartbeat of Agility
Software Features
Waterfall 'Cone of Uncertainty'
Waterfall 'Cone of Uncertainty'
Waterfall
Waterfall vs Agile
Waterfall vs Agile
Agile or Waterfall?
Manifesto for Agile Software Development
12 Principles Behind the Agile Manifesto
12 Principles Behind the Agile Manifesto
12 Principles Behind the Agile Manifesto
12 Principles Behind the Agile Manifesto
Course Modules

Module 3 - Scrum Overview

18m

Scrum Overview
What is Scrum in Agile
Scrum Framework
Scrum = 3 Roles + 6 Events + 3 Artifacts
Benefits of Scrum
Course Modules

Module 4 - Roles and Responsibilities

20m

Roles and Responsibilities
Scrum Framework
Scrum Team
Roles and Responsibilities
Roles and Responsibilities
Scrum Team
Scrum Master Responsibilities
Project Manager versus Scrum Master
Servant Leader
Servant Leader
Servant Leader
The Product Owner
Characteristics of a Product Owner
The Development Team
Scrum Team Interactions
Course Modules

Module 5 - Project Lifecycle

1h 48m

Project Lifecycle
How Does a Scrum Project Start
Product Vision
Product Vision
Roadmap
Release Plan
Cycle Overview
Sprints
Scrum Framework
Product Backlog
User Stories
Benefits of User Stories
Persona's
Persona's
INVEST in a Good User Story
Acceptance Criteria
Acceptance Criteria
Acceptance Criteria Examples
Story Point Estimating
Story Point Estimating
Estimating Story Points
Planning Poker Steps
T-Shirt Sizing

User Story Card Example
The 3 C's of a User Story
Product Backlog Refinement
Product Backlog Design
Sprint Planning
Velocity
Example
Capacity
Sprint Backlog
Final Commitment
Sprint Planning
Scrum Framework
Team Space
Team Space
Scrum Framework
Kanban
Kanban Board
Kanban Board
Physical Kanban Board
Virtual Kanban Boards
Scrum Framework
Kanban Board
Daily Standup
Daily Standup
Daily Standup
Daily Standup Mistakes
Scrum Framework
Kanban Board
Scrum Framework
Sprint Review
Scrum Framework
Sprint Retrospective
Sprint Retrospective
Sprint Retrospective
Increment
Increment
Minimum Viable Product
Minimal Viable Product
Burndown Chart
Burndown Chart
Burndown vs Burn Up Chart
Scrum Framework
Repeat!
Cumulative Flow Diagram
Demo - Project for the Web 1
Demo - Project for the Web 2
Course Modules

Module 6 - Building High Performing Teams

24m

Building High Performing Teams
Build a High Performing Team
Benefits of a High Performing Team
Stages of Team Development
Working Agreement
Working Agreement
Resolving Conflicts
Healthy Conflict
Why Are Questions Powerful?
Powerful Questions You Can Ask
Final Quote
Team Events
Conducting Effective Meetings
Scrum Master as a Servant Leader
Scrum Master as a Servant Leader
Scrum Master as a Coach
Scrum Master as a Coach
Becoming a Better Coach
Course Modules

Module 7 - Scaling Agile

34m

Scaling Agile
Scaling Agile
Agile Approaches Plotted by Breadth and Detail
SAFe - Scaled Agile Framework
SAFe at a Glance
Demo - About SAFe
Essential SAFe
Essential SAFe
Program Level
Vision
Vision
Program Level
Roadmap
Decomposing the Program
Program Level
Program Backlog
Decomposing the Program/Project
Scrum Framework
Essential SAFe
Cadence and Synchronization
Cadence and Synchronization
Essential SAFe
Team
Aha!
Scaling Matrix
HMMMM.....
Scaling Matrix
Essential SAFe

Options for Scaling Agile
But Wait.....
Scaling Matrix
Large Solution SAFe
Can Agile Be Applied to My PORTFOLIO?
Scaling Matrix
Portfolio SAFe
Just How Do I Make My ORGANIZATION More Agile?
Scaling Matrix
Full SAFe
Course Modules

Module 8 – Closure

10m

Closure
10 Signs You Are Not Really Doing Scrum
6 Tips to Become a Great Scrum Master
Limit Work in Progress
Definition of Done
Communication
Relentless Improvement
Become a Lifelong Learner
Final Advice
Course Modules

Total Duration: 4h 35m