

## Agile Scrum Developer

### Course Summary

#### Description

This course provides the foundations to be an effective Scrum Team Development Member. Learn the Agile engineering practices and techniques required to deliver high quality software with Scrum teams.

- 21 PDUs | 21 SEUs
- Practical Skills for defect-free code
- 2 free books, estimation cards, and more
- Registered Education Provider with Scrum Alliance and PMI

The Agile Scrum Developer ASD course is 3 days including instruction related to Agile Engineering Practices. This class does not achieve the Certified Scrum Developer designation with Scrum Alliance but is valid and counts toward SEUs or PDUs. Participants may also take certified Scrum instruction separately.

#### Objectives

After taking this course, students will be able to understand:

- Agile Engineering Practices
- Incremental architecture and design
- How Agile teams work together
- Test-Driven Development (TDD)
- Refactoring
- Continuous Integration (CI)

#### Topics

- Welcome & Introductions
- Test Driven Development
- Working with Legacy Code
- Developing as a Team
- Closing, Recap and Call to Action

#### Audience

This course is designed for developers who already know how to write code and are seeking to get better at their craft.

#### Prerequisites

There are no prerequisites for this course.

#### Duration

Three days

## **Agile Scrum Developer**

### **Course Outline**

- I. Welcome and Introductions**
- II. Test Driven Development**
  - A. Working in Pairs
  - B. TDD Fundamentals
  - C. TDD Beyond Fundamentals (working in small steps, emergent design, mocking & stubbing)
- III. Working with Legacy Code**
  - A. Code Smells
  - B. Technical Debt
  - C. Refactoring
- IV. Developing as a Team**
  - A. Thinly Slicing a problem
  - B. Acceptance Test Driven Development & Spec by Example
  - C. Continuous Integration/Delivery
- V. Closing, Recap, and Call to Action**