

# Understanding Scrum - The application of Agile project management

<2 DAYS>

**Objective:** This course explains the motivations that promoted the creation of Scrum and presents practical support to project managers using the Scrum framework to manage software development projects. This is achieved by introducing learners to both Agile Software Development (ASD) and Lean Software Development (LSD) in order to explaining how Scrum supports this paradigm. Learners explore the core values and practices of the Scrum framework and then critique practical supplementary practices that may be effective in different development situations.

**Audience (Management and application level):** This is a course for experienced software development project managers who currently manage Agile software development projects or are intending to transition to this development approach in the near future. It is also relevant to directors and managers of software development organizations who want to gain an appreciation of the foundation and strengths of Scrum as well as practical application of this management framework.

**Duration:** 2 days

**Price:** Contact [spdtrainingsolutions@gmail.com](mailto:spdtrainingsolutions@gmail.com) for quote

**Format:** Lecture based with project specific case-studies and workshop exercises

**Benefits:** This course will be of benefit to learners wishing to appreciate reasons for applying Scrum. Delegates will gain insights into the lean and agile software development paradigms. Explanations of the theoretical values and practices underpinning Agile software development are reinforced through participation in Scrum-based workshop exercises that enable delegates to apply the concepts to their own experiences.

**Learning Objectives:** After taking this course, the learner will be able to:

- Identify how aspirations of the Agile Manifesto and associated principles are applied in practice
- Appreciate how characteristics of effective teams influence Scrum
- Identify general considerations that are critical to setting up and applying the Scrum framework
- Critique the value of core practices performed to plan a Scrum sprint
- Apply the core practices performed in the execution of a Scrum sprint
- Evaluate core post-Sprint practices used for review and improvement purposes

**Course Content:** The following topics will be covered

- Topic 1:** - Agile Manifesto and principles - application in practice
- Topic 2:** - Origins of Scrum
- Topic 3:** - Overview of the Scrum framework - general considerations
- Topic 4:** - Core Sprint planning practices
- Topic 5:** - Core Sprint execution practices
- Topic 6:** - Core post-Sprint practices
- Topic 7:** - Supplementary Scrum practices

## **Understanding Scrum - The application of Agile project management**

The course is driven from peer-reviewed published literature on Scrum, encompassing theoretical concepts and empirical findings from industrial application of this agile software development management approach. A core feature of the course is delegate participation in workshop exercises. These activities are designed to reinforce the teaching through deliberations on the application of Scrum practices and in the learner's working environment. (Please note that participants who currently use a plan-based (waterfall) development method will still be active participants in these exercises as reflections on their work practices should provide valuable insights related to the topics covered.)