

## Course Overview

Scrum is one of the most widely used agile methods for organisations following an agile software development approach. The Scrum Master ensures that agile methods are used, Scrum rules set up and followed, and obstacles and disruptions removed.

The iSQI® Scrum Master Pro certification prepares you to take on the role of Scrum Master in agile projects. The course includes exercises and practice exam questions to highlight key aspects of the course materials and to help participants understand and practice the concepts and methods presented.

## Prerequisites

There are no specific requirements or required pre-certifications.

## Who will benefit?

This certification is aimed at anyone who works in Scrum projects or who wants to work in them. It is particularly suitable for: Software testers, developers; Business analysts; Team managers; and Agile product managers, project managers.

## Course Outcomes

- Understand Scrum as a lightweight agile project management framework and why the Scrum Master needs to understand the framework to effectively facilitate the team through the Scrum process.
- Identify the attributes of Scrum, the Scrum values, core practices, artefacts and ceremonies as the Scrum Master needs to understand these key activities to facilitate, guide and mentor teams and help them become self-managing and self-organising.
- Recognise the format and content of User Stories and how they are estimated and prioritised in order to coach and mentor the team in producing clear and concise user stories and acceptance criteria.
- Appreciate Scrum Planning and the importance of planning in the Scrum process as the Scrum Master has to understand both the release and sprint planning process so that they can effectively facilitate these meetings.
- Comprehend sprints and the design, development and testing within a sprint as the Scrum Master is required to support these processes and be available to remove roadblocks for the team.

- Know why retrospectives and continuous improvement is important to be incorporated in each sprint.

## Course Content

Each of the following chapters has a particular focus on how the content relates to the role of the Scrum Master.

### Origins of Scrum

Agile methods, including Scrum, are compared and contrasted to traditional models which preceded them.

### Scrum Methodology

The attributes of Scrum are covered including its values, practices, artefacts, ceremonies, and roles and responsibilities.

### User Stories

Topics include their format and content, techniques for gathering and reviewing them, and their prioritisation and estimation.

### Planning

Both Release and Sprint level planning are covered together with related topics such as Scrumboards, Burndown Charts and Definition of Done.

### Sprint

The design, development and testing aspects of a sprint are considered including spikes, technical debt and the Daily Scrum.

### Review, Retrospective and Enterprise Projects

The final two Scrum ceremonies of each sprint are dealt with, together with scaling Scrum for larger and enterprise projects, and Tools and Automation.

## Exam

The iSQI Scrum Master Pro Certificate is awarded to those who pass a written one-hour multiple-choice exam. Candidates must score 65% or more to pass the exam.

Delegates are provided with iSQI Flex vouchers for scheduling the exam after a two-day course.

*Bookings and Enquiries:*

[enquiries@aquacomputing.com](mailto:enquiries@aquacomputing.com)