



ScrumMaster Certification Syllabus

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This two-day course provides the basic principles of Scrum by the Co-Creator of Scrum. It allows participants to assess their Scrum implementations using the practices that produce the best Scrum teams worldwide. It gives participants hands-on experience using Scrum by simulating Scrum projects. The first simulation provides experience with the basic Scrum practice in a 59-minute Scrum through a non-technical group exercise. The second simulation leads participants through the entire planning and estimation phase of setting up the first Scrum. The third simulation provides hands on experience of executing a Scrum pulling from the Product Backlog, creating a Sprint Backlog, and delivering velocity of production during a Scrum. The secret sauce that Dr. Sutherland uses to coach over 20 venture funded portfolio companies will be described. This will show how participants can practically apply the Scrum roles (Product Owner, ScrumMaster, and Team), the Scrum meetings (Sprint Planning, Daily Scrum, and Sprint Review with a demo and Retrospective), and the Scrum artifacts (Product Backlog, Sprint Backlog, Burndown Charts, and Working Software) to double and then quadruple the productivity and quality of their teams. Participants will learn how to scale Scrum projects to any size, how to distribute them locally and globally, and how to use outsourcing to produce extreme business value.

Dr. Sutherland's courses are used to train every person in all roles in some companies. Participants are using Scrum on senior management teams, in marketing, sales, consulting, client services, installations, and support, as well as development. While successful completion of the course designates each participant Certified ScrumMaster, the course is designed to help anyone in any role in a Scrum company, as well as being the best available training for ScrumMasters. This certification includes a one-year membership in the Scrum Alliance, where additional ScrumMaster-only material and information are available.

Participants Will Learn:

- Proven practices developed in nine companies where Dr. Sutherland has been CTO or VP of Engineering
- How to set up Scrum teams and begin work in the most effective way
- How to create, prioritize, and estimate user stories for the product backlog



- The role of management in a company powered by self-organizing teams
- How to help both new and experienced teams be more successful
- How to scale Scrum to large, multi-continent projects building systems with millions of lines of code.
- The secret sauce developed from the instructor's fifteen years of using Scrum that is used by venture capitalists and venture funded companies worldwide.

Agenda

The agenda for the class is:

Overview of Scrum

Why Scrum works
What Scrum is
Origins

Sprints

Potentially shippable
Architecture on a Scrum project
Sequential vs. overlapping work
Sprint length
Release sprints
Abnormal terminations

The ScrumMaster

Responsibilities
ScrumMaster mindset
Situational ScrumMastering
ScrumMaster as team member

The 59-minute Scrum project

The product owner

Description
Responsibilities
Sharing the vision

Product backlog

Size of the items
User stories on the product backlog
Backlog-writing workshops
INVEST in your backlog



Meetings

- The daily scrum
- Sprint review
- Sprint retrospective

Sprint planning

- Sprint prioritization
- Sprint goal
- Sprint planning meeting
- Sprint backlog items

Release planning

- Velocity
- Estimating the product backlog
- Release planning meeting

Tracking progress

- Sprint burndown charts
- Release burndown charts
- Task boards

The team

- Composition
- Teams are cross-functional
- Organizing

Scalability

- The scrum of scrums
- Focus of initial sprints
- Shared vs. specific product backlogs
- Scaling the product owner
- Getting started

Who Should Attend

Whether you're a manager, programmer, tester, analyst, product manager, or someone interested in working on or with a Scrum team, this course is suited for you. You will leave with solid knowledge of how and why Scrum works. Through practical, hands-on exercises and small-group discussion you will be prepared to plan your first sprint immediately after this class.

PMPs can receive **16 Professional Development Units (PDUs)** for this course.