

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:

- 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.
- Proven practices developed in nine companies where Dr. Sutherland has been CTO or VP of Engineering

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

The ScrumMaster

- Responsibilities
- ScrumMaster mindset
- Situational ScrumMastering
- ScrumMaster as team member

The 59-minute Scrum project

The Scrum 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.