

# CERTIFICATION

## Professional Scrum Master

### Duration

2 days



### Description

The "Professional Scrum Master" (PSM) course offered by Pyxis is the first significant update of the "Certified Scrum Master" (CSM) course that Ken Schwaber introduced and shared in 2002. As in the original course, the framework, mechanics, and roles of Scrum—the most popular Agile approach—are covered. The course then goes further by teaching participants how to use Scrum to optimize value, productivity, and the total cost of ownership of systems and products.

Participants will learn through instruction and team-based exercises, and will be challenged to think on their feet to better understand what to do when they return to their respective workplaces.

### Objectives

The purpose of the PSM course is to give participants a solid grounding in Scrum and its core principles, from which they can make opportunistic decisions about how to use it best. Participants learn why certain decisions are better than others as well as why some support Agility while others ultimately lead back to a waterfall model. They will also learn how to use Scrum productivity metrics to monitor the results of their decisions and how to optimize those results.

Getting the most out of Scrum requires a solid knowledge of how it works and why. Pyxis' PSM course will cover these as well as several advanced topics, like managing risk and optimizing total cost of ownership, that build on Scrum's underlying Agile principles.

### Target audience

The course is primarily intended for those responsible for the successful use and/or rollout of Scrum in a project or enterprise.

### Prerequisites

- Have read at least one book on Scrum
- Have studied the Scrum Guide written by Ken Schwaber and available on [scrum.org](https://www.scrum.org)
- Understand the basics of project management
- Understand requirements and their breaking down
- Have been on or closely involved in a project that builds or enhances a product
- Want to know more about how Scrum works, how to use it, and how to implement it in an organization.

### Content

Scrum Basics—What is Scrum and how has it evolved?

Scrum Theory—Why does Scrum work and what are its core principles? How the Scrum principles are different from those of more traditional software development approaches, and what is the impact?

## CERTIFICATION

### Professional Scrum Master

Scrum Framework and Meetings—How Scrum theory is implemented using time-boxes, roles, rules and artifacts. How can these be used most effectively and how can they fall apart?

Scrum and Change—Scrum is different: what does this mean in regard of my project and my organization? How do I best adopt Scrum given the changes that are expected?

Scrum and Total Cost of Ownership—A system isn't just developed; it is also sustained, maintained, and enhanced. How is the Total Cost of Ownership (TCO) of our systems or products measured and optimized?

Scrum Teams—Scrum teams are self-organizing and cross-functional; this is different from traditional development groups. How do we start with Scrum teams and how do we ensure their success?

Scrum Planning—Plan a project and estimate its cost and completion date.

Predictability, Risk Management, and Reporting—Scrum is an empirical process. How can predictions be made, risk be controlled, and progress be tracked using Scrum.

Scaling Scrum—Scrum works great with one team. It also works better than anything else for projects or product releases that involve hundreds or thousands of globally dispersed team members. How is scaling best accomplished using Scrum?

#### **Assessment**

Following the course, participants will have the opportunity to take an assessment of their skills. To learn more about Scrum.org assessments, visit: <https://www.scrum.org/assessments>.

Pyxis is glad to partner with Scrum.org and Ken Schwaber to offer this Agile training course.