



Agile for Technical Teams

From Principles to Practice

November 12 – 14, 2023 | Madison, WI

The course utilizes in-class Agile project activities to replicate the rapid, time-boxed and iterative nature of Agile. Participants will engage in hands-on exercises to understand and implement the fundamental roles, processes and artifacts of Agile project and product delivery. The course includes a combination of presentations, readings, videos, examples and case studies.

A key aspect of the course is an Agile project simulation where teams of participants collaboratively go through each stage of an Agile project. They will assume different core roles in Agile and apply Agile practices and processes to design and develop a product prototype.

Learning Objectives

- Analyze various Agile project management methodologies, their application to different types of projects, and key differences from traditional waterfall approaches.
- Execute key steps and processes within an Agile project lifecycle.
- Utilize basic Agile artifacts, documents, and metrics in the context of project management.
- Identify roles within an Agile project team and assess organizational readiness for adopting an Agile project management approach.
- Critique the limitations of Agile methodologies and propose solutions to organizational concerns about using Agile project management approaches.

Who Should Attend?

- Development Engineers
- Project Engineers
- Program Managers
- Manufacturing Engineers
- Maintenance Engineers
- Technical Professionals
- Technical Leaders
- General contractors and construction managers needing to collaborate with their clients
- Facilities managers looking for more details than can be found in an introductory HVAC course

Course Outline

- Introduction to Agile: What it is - roots/history - current trends - what it's not.
- Agile project lifecycle models
- Agile project process models
- Agile project artifacts and documents
- Agile project team roles
- Agile Communications and Team Interactions - Daily stand-ups/scrums, team spaces/bullpens, other communications tools/methods
- Agile Estimating - Sizing and story points, planning poker, analogous estimating
- Agile Planning - release planning, Iterations/Timeboxing, retrospectives, burndown/burnup charts, task boards, definition of done, thin vertical slices, releasable increments
- Agile Metrics and Tools: Velocity, burndown/burnup charts
- Scaling Agile - LeSS, SAFe, S@S, Hybrid
- Adopting Agile - assessing projects, adoption, alternatives/adaptations, organizational readiness and typical challenges

Learn more and apply at
go.wisc.edu/agilefortechnteams



Interdisciplinary
Professional Programs
COLLEGE OF ENGINEERING
UNIVERSITY OF WISCONSIN-MADISON



At a Glance



DATE

November 14 – 15, 2023



LOCATION

The Pyle Center, 702 Langdon St., Madison, WI



FEE

\$1495



CREDIT HOURS

1.4 CEU | 14 PDH

Meet Your Instructor

Shawn Belling is a globally experienced technology executive, speaker, instructor, and author based in Madison, WI. Shawn has held executive and management roles in health tech, higher education, software, consulting, bio-pharma, manufacturing, and regulatory compliance sectors.

Shawn is the Chief Technology Officer and Head of Product for Geno.Me. Shawn was previously the Chief Information Officer at Madison College and is adjunct faculty at UW–Madison and UW-Platteville as well as the University of Southern California.

In addition to 30 years of technology and project leadership experience, Shawn teaches, speaks and consults for businesses, universities and professional organizations on various leadership and management topics and practices. Shawn released his books *Succeeding with Agile Hybrids* in November of 2020 and *Remotely Possible* in June of 2021.

Shawn is certified by PMI as a Project Management Professional and Agile Certified Practitioner and is also a Certified Scrum Professional and Registered Scrum at Scale Practitioner.

Shawn earned his Bachelor of Science from the University of Wisconsin – Whitewater and Master of Science in Project Management from UW-Platteville. Shawn earned a certificate in Organizational Change Leadership from UW-Platteville and Doctor of Education in Leadership at the University of the Cumberland.

Have Questions?

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Learn more and apply at
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