COURSE SYLLABUS

Introduction to Agile Project Management Course

Explore foundational Agile practices, frameworks, and Scrum methodologies to plan, track, and monitor projects interactively.

> Group classes (Live Online) and onsite training are available for this course. For more information, email onsite@graduateschool.edu or visit: https://sdfm.graduateschool.edu/courses/introduction-to-agile-project-management



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Course Outline

Module 1: What is Agile Project Management?

- Define Agile and compare it with traditional project management approaches.
- Discuss the benefits of Agile for managing change and delivering customer value.
- Explore the history and origins of Agile methodologies.

Module 2: Agile Methodologies

- Overview of key Agile methodologies including Scrum, Kanban, Lean, and Extreme Programming (XP).
- Compare methodologies based on structure, roles, and delivery processes.
- Identify how to select an Agile method based on project needs and team dynamics.

Module 3: Scrum Framework

- Learn the structure and roles of the Scrum team: Product Owner, Scrum Master, and Development Team.
- Understand Scrum artifacts including the Product Backlog, Sprint Backlog, and Increment.
- Explore Scrum events such as Sprint Planning, Daily Scrum, Sprint Review, and Sprint Retrospective.

Module 4: Agile Planning and Estimating

- Learn how Agile teams estimate work using story points and velocity.
- Understand user stories, epics, and themes in Agile planning.
- Explore tools and techniques for release and iteration planning.

Module 5: Agile Execution and Monitoring

- Monitor Agile projects using burndown charts, task boards, and daily standups.
- Ensure transparency and adaptability through constant feedback and team collaboration.
- Manage team performance and maintain quality through continuous integration and testing.

Module 6: Agile and the Organization

- Understand organizational support for Agile implementation and cultural transformation.

- Examine scaling frameworks like SAFe, LeSS, and Disciplined Agile Delivery (DAD).
- Explore challenges and success factors for adopting Agile in complex environments.