

Agile Project Management: Scrum to CAPM® Certification

Master Agile methodologies and prepare for the CAPM® certification with real-world case studies.

IT Certifications Instructor: Manuel Heard • 5 sections • 50 lessons • 16.50h total

[View this course online](#) [Browse all courses](#)

About this course

Project management is shifting fast. Traditional methods often struggle with today's dynamic projects. You need agile skills to deliver value quickly, but knowing where to start can be tough.

This course covers core agile principles, Scrum framework, and other methodologies like Kanban. You'll get hands-on practice through case studies and videos, and prepare thoroughly for the CAPM® certification exam.

Course curriculum

Foundations and Preparation

- **Understanding Project Management Basics (12m)**
An overview of key project management concepts and why agile is becoming the go-to approach for modern projects.
- **Introduction to Agile Manifesto and Principles (18m)**
The core values that guide agile work, with examples of how they apply in real scenarios.
- **Comparing Agile and Traditional Project Management (15m)**
See how agile differs from waterfall methods, including pros, cons, and when to use each.
- **Scrum Framework Overview (20m)**
Roles, events, and artifacts in Scrum, explained with a practical team example.
- **Kanban Basics for Project Managers (15m)**
Visual workflow management to improve team efficiency and reduce bottlenecks.
- **CAPM® Certification Overview and Benefits (10m)**
What the certification covers, eligibility, and how it can boost your project management career.
- **Setting Up Your Agile Environment (25m)**
Step-by-step guide to selecting tools and configuring teams for agile projects.
- **Agile Communication Strategies (12m)**
Practical tips for keeping teams aligned through meetings, documentation, and feedback loops.

Core Concepts

- **Deep Dive into Scrum Roles (18m)**
Detailed look at Product Owner, Scrum Master, and development team responsibilities, with role-play scenarios.
- **Scrum Ceremonies Explained (22m)**
How to run sprint planning, daily standups, reviews, and retrospectives effectively.
- **Scrum Artifacts: Product Backlog, Sprint Backlog, Increment (20m)**
Managing work items from concept to delivery, with templates and examples.
- **Writing Effective User Stories (15m)**
Techniques to capture requirements clearly, using the INVEST criteria for better stories.
- **Estimation Techniques in Agile (12m)**
Using story points, planning poker, and t-shirt sizing to estimate work accurately.
- **Agile Metrics and Reporting (18m)**
Tracking progress with burndown charts, velocity, and other key indicators to guide decisions.
- **Agile Risk Management (15m)**
Identifying and handling risks iteratively, with a focus on early detection and response.
- **Stakeholder Engagement in Agile (20m)**
Methods to keep stakeholders involved and informed without slowing down the team.
- **Agile Documentation Practices (12m)**
What to document and when, balancing agility with necessary records for compliance and clarity.

- **Agile Quality Assurance (18m)**

Ensuring deliverables meet standards through continuous testing and definition of done.

Deep Dive

- **Advanced Scrum Techniques (22m)**
Refining sprints, handling large backlogs, and managing complex projects with Scrum.
- **Kanban in Depth (20m)**
WIP limits, flow metrics, and optimization strategies for smoother workflow.
- **Lean Principles for Project Managers (18m)**
Eliminating waste and promoting continuous improvement in project delivery.
- **Extreme Programming (XP) Practices (15m)**
Pair programming, test-driven development, and other XP methods for quality code.
- **Integrating Multiple Agile Methods (20m)**
Blending Scrum, Kanban, and other approaches to fit project needs.
- **Agile in Distributed Teams (25m)**
Managing remote agile projects with tools and communication best practices.
- **Agile Tools and Software (18m)**
Overview of Jira, Trello, and other tools to support agile workflows.
- **Case Study: Agile in Software Development (30m)**
Real-world example of an agile software project from start to finish.

Advanced Application

- **Scaling Agile: SAFe and LeSS (22m)**
Framework overviews for applying agile in large organizations and multi-team projects.
- **Agile in Non-Software Projects (20m)**
Applying agile methods to marketing, HR, and other business areas.
- **Advanced User Story Mapping (18m)**
Creating product roadmaps and prioritizing features for maximum value.
- **Agile Budgeting and Finance (15m)**
Handling costs, funding, and financial planning in agile projects.
- **Agile Contract Management (20m)**
Dealing with vendors, contracts, and legal aspects in an agile context.
- **Leadership in Agile Environments (22m)**
Servant leadership and empowerment techniques to support agile teams.
- **Agile Change Management (18m)**
Managing organizational change and resistance when adopting agile.
- **Advanced Agile Metrics (25m)**
Using cycle time, lead time, and predictive analytics for deeper insights.
- **Agile for Innovation Projects (20m)**
Applying agile to R&D, prototyping, and new product development.
- **Agile Ethics and Compliance (15m)**
Handling ethical issues, regulations, and compliance in agile work.

- **Case Study: Scaling Agile in a Corporation (32m)**
Detailed example of how a large company implemented scaled agile.
- **Agile Problem-Solving Workshop (25m)**
Hands-on session for addressing complex project challenges with agile techniques.

Implementation & Next Steps

- **Creating Your Agile Implementation Plan (20m)**
Step-by-step guide to planning and rolling out agile in your organization.
- **Building an Agile Team Culture (22m)**
Fostering collaboration, trust, and continuous learning within teams.
- **Agile Retrospectives for Continuous Improvement (18m)**
Running effective retrospectives to identify improvements and action items.
- **CAPM® Exam Preparation: Agile Topics (25m)**
Key agile areas covered in the exam, with study tips and resources.
- **CAPM® Exam Prep: Traditional and Hybrid Methods (20m)**
Covering waterfall, hybrid, and other project management approaches for the exam.
- **Practice Questions and Mock Exams (30m)**
Testing your knowledge with realistic exam questions and detailed explanations.
- **Agile Project Simulation (35m)**
Full simulation exercise to apply agile skills in a controlled project scenario.
- **Career Paths for Agile Professionals (18m)**
Exploring roles like Scrum Master, Product Owner, and agile coach, with growth advice.
- **Staying Current with Agile Trends (15m)**
Resources, communities, and practices to keep your agile skills up-to-date.
- **Final Case Study: End-to-End Agile Project (40m)**
Comprehensive example covering planning, execution, and delivery in an agile project.
- **Course Review and Key Takeaways (20m)**
Summarizing what you've learned and reinforcing core concepts for retention.
- **Next Steps and Resources (15m)**
Where to go from here, including certifications, books, and community involvement.

Discover our blog

Learn more with free articles written by our professors and guest experts.

Latest article: **Flight Attendant Preparation: What to Study Before You Apply**

[Visit the blog](#) [All courses](#) [This course](#)