BOARD INFINITY

COURSE 1 OF 3 · AGILE DEVELOPMENT EXCELLENCE SPECIALIZATION

Mastering Scrum Framework for Agile Development

Full course syllabus - every module, video lesson, reading and assignment, from Agile fundamentals to Scrum at enterprise scale.

Board Infinity
Instructor · Offered on Coursera

3	27	12	1 week
Modules	Video lessons	Assignments	At 10 hours a week

INSIDE THE COURSE

01	Introduction to Agile and Scrum	4 hours to complete
02	Advanced Scrum Practices	4 hours to complete
03	Implementing Scrum in Real-World Projects	4 hours to complete

Enroll on Coursera

https://www.coursera.org/learn/mastering-scrum-framework-for-agile-development

01 ABOUT THE COURSE

From Agile basics to Scrum at scale.

Mastering Scrum Framework for Agile Development gives you an in-depth, practical command of Scrum as it is used in real industry settings. Across three modules you build a foundation in Agile and Scrum, move into advanced sprint planning, tracking and metrics, and finish by implementing and scaling Scrum in real-world projects.

Everything is delivered through short video lectures, readings and graded quizzes - 27 videos, 9 readings and 12 assignments in all. There are no formal prerequisites: the course is designed for beginners and for those with prior Agile experience alike.

WHO IT'S FOR

Project managers
Adopting Agile methodologies within their teams.

Scrum Masters
Deepening their understanding of Scrum and sharpening facilitation skills.

Product Owners
Improving backlog management and stakeholder communication.

Agile practitioners
Managing Agile projects at scale - or moving into a Scrum role.

WHAT YOU'LL LEARN

01 **Apply advanced Agile methodologies** Modules 1, 3
Apply advanced Agile methodologies to manage complex projects in large-scale environments

02 **Analyze sprint planning & backlog refinement** Module 2
Analyze sprint planning and backlog refinement techniques in real-world industry settings

03 **Evaluate Scrum roles and responsibilities** Modules 1, 3
Evaluate the roles and responsibilities of Scrum team members in a multi-team and cross-functional environment

04 **Report on sprint progress and metrics** Module 2
Create effective reports and use tools like Jira and Confluence to track sprint progress and metrics

02 SYLLABUS

Three modules, one Scrum journey.

1 week to complete at 10 hours a week. Flexible schedule - learn at your own pace.

01 Introduction to Agile and Scrum

Agile principles, Scrum roles, events and artifacts

4 hours
9 videos

BY THE END OF THIS MODULE YOU CAN

- Explain the core principles of Agile and how it differs from Waterfall
- Describe the key Agile practices and the Scrum framework
- Identify the roles of the Product Owner, Scrum Master and Development Team
- Use Scrum events and artifacts - Sprints, standups, reviews and retrospectives

CONTENTS: 9 videos (49 min) · 3 readings (90 min) · 4 assignments (105 min) · 1 plugin (5 min)

TOPICS: Fundamentals of Agile Development · Scrum Basics and Roles · Scrum Events and Artifacts · Quick Course Check-In (plugin)

You'll leave with: a solid grasp of Agile and Scrum basics - its principles, roles, events and artifacts - ready for advanced Scrum practice.

02 Advanced Scrum Practices

Sprint planning, Scrum boards, timeboxing and Agile metrics

4 hours
9 videos

BY THE END OF THIS MODULE YOU CAN

- Prepare for Sprint Planning, set Sprint goals and define the Sprint Backlog
- Estimate effort and manage task flow on Scrum boards
- Apply timeboxing and handle changes and mid-sprint challenges
- Track velocity and burndown charts and report results to stakeholders

CONTENTS: 9 videos (52 min) · 3 readings (90 min) · 4 assignments (105 min)

TOPICS: Effective Sprint Planning · Managing Scrum Projects · Agile Metrics and Reporting

You'll leave with: the skills to plan, run and measure sprints - and to turn velocity and burndown data into reports stakeholders can act on.

03

Implementing Scrum in Real-World Projects

Case studies, scaling Scrum and Agile transformation

4 hours
9 videos

BY THE END OF THIS MODULE YOU CAN

- ✓ Learn from Scrum success stories, common challenges and failures
- ✓ Scale Scrum with SAFe and Scrum of Scrums across multiple teams
- ✓ Extend Agile practices beyond the development team
- ✓ Initiate, plan and sustain an Agile transformation over time

CONTENTS 9 videos (57 min) · 3 readings (90 min) · 4 assignments (105 min)

TOPICS Case Studies in Scrum Implementation | Scaling Scrum in Large Organizations | Agile Transformation Strategies

You'll leave with: a practical playbook for implementing Scrum at scale - from multi-team coordination with SAFe and Scrum of Scrums to a lasting Agile transformation.

03 TOOLS & SKILLS

The themes that run through the course.

The Scrum framework

Core framework

Roles, events and artifacts: the Product Owner, Scrum Master and Development Team.

In this course: Module 1 builds the foundation; modules 2 and 3 put it to work.

Jira & Confluence

Industry tools

Industry tools for backlog grooming, sprint planning, tracking and reporting.

In this course: Track sprint progress and metrics, and build custom reports in Jira.

Agile metrics & reporting

Measurement

Velocity, burndown charts and sprint performance, reported to stakeholders.

In this course: Module 2 closes on key metrics, monitoring and Agile reports.

Scaling Scrum

At scale

SAFe, Scrum of Scrums and Agile transformation for large, multi-team organizations.

In this course: Module 3 covers case studies, scaling Scrum and transformation strategies.

SKILLS YOU LEAVE WITH

Agile & Scrum

- Agile methodology
- Scrum (software development)
- Agile project management
- Project management

Sprint execution

- Sprint planning
- Backlogs & backlog refinement
- Estimation
- Performance metrics

Team & stakeholders

- Meeting facilitation
- Cross-functional collaboration
- Conflict management
- Performance reporting

04 CERTIFICATE & CAREER

Finish with a shareable certificate.

Add it to LinkedIn
Add this credential to your LinkedIn profile, resume, or CV.

Share it anywhere
Share it on social media and in your performance review.

Earned, not attended
Awarded on completion of the graded quizzes and assessments in all three modules.

Course 1 of 3
Part of the Agile Development Excellence Specialization by Board Infinity.

ROLES THE COURSE DISCUSSES

Scrum Master · Product Owner · Agile Project Manager · Development Team Member · Agile Coach · Release Train Engineer

Board Infinity
Instructor · Offered on Coursera

Beginner level · Taught in English · 12 assignments · Flexible schedule

Ready to lead your next sprint?

Enrollment, lessons, grading and the certificate all happen on Coursera.

Enroll on Coursera

Course page: coursera.org/learn/mastering-scrum-framework-for-agile-development

Want a coach alongside the course?

Board Infinity 1:1 coaching is a separate, optional Board Infinity offering - it is not part of the Coursera course. Details: https://www.boardinfinity.com/career-coaching/

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