

Training and Coaching Options in Lean/Agile Software Development

Our Training Pathways help you select the right course depending on your role and skill level.

Organizational Role	Training Course Name											
	Executive Briefing Agile	Executive Briefing Lean & Kanban	Team Primer in Agile and Scrum	The Product Owner Role	Agile, Scrum and the Product Owner	Getting Lean with Kanban	Certified Professional ScrumMaster	Agile Testing	PMI Agile Certified Practitioner	User Stories and Estimation	Advanced Product Owner	Agile - Optimizing and Scaling
Level	INTRODUCTORY						ADVANCED					
Days	½	½	2	1	2	2	2	2	2	1	2	2
Tester/QA			●			●		●	●			
Developer			●			●		●				●
ScrumMaster/ Team Facilitator	●	●	●	●		●	●	●	●			●
Analyst; Product Owner/Manager		●	●	●	●	●				●	●	●
Project Manager			●			●			●			●
Senior Executive	●	●										



Team Primer in Agile and Scrum (two days)

This course will provide those looking to work on Scrum teams, including the ScrumMaster role, with the competencies and skills required to effectively combine the processes, people and technologies for a successful Agile/Scrum delivery. Exercises and simulations are used to get hands on experience with the practices presented. It focuses on the Scrum method but references practices from other agile methods such as eXtreme Programming (XP).

Professional ScrumMaster (certified) (two days)

The Professional ScrumMaster is designed to ensure the concepts and practices of Scrum are deeply understood by those wishing to lead or work with/in Scrum teams. Here we provide a deep-dive into these topics, including classroom type training, interactive exercises and sample exam questions. Covering all material required for PSM and much more, this course will give you the knowledge needed to pass the PSM 1 exam and begin applying Scrum in your work environment. Throughout the course, sample exam questions will be available to test your knowledge and practice for the online, 1 hour PSM exam.

AgileInnovation

Agile & Lean Consultancy, Coaching and Training for Software Development Teams



Getting Lean through Kanban (two days)

In this 2-day course, we delve into why Kanban works so well, particularly in complex projects with a lot of churn and unpredictable work demands. We provide a deep dive of Kanban practices and tools, including Visualization of Work Flow, Metrics (CFD), Limiting WIP, Managing Flow and Attaining Pull, Classes of Service, Explicit Policies and Feedback Loops. The course will include exercises to illustrate important concepts and a comprehensive Kanban simulation game to allow attendees experience concepts such as pull and flow first hand.

NEW COURSE! Advanced Agile - Optimizing and Scaling (two days)

This 2-day course is aimed at organizations already actively using lean/agile methods. It aims to help you optimize agile at the enterprise level by building scalability, sustainability, metrics and controls. Topics include assessing agile maturity, identifying the method(s) best suited to your context (e.g. Scrum, Kanban), scaling agile (e.g. PO and sprint planning), business and process metrics, organizational learning and innovation, new organizational structures, agile customer engagement models and contracts, incremental project funding and emergent architecture.

Lean, Agile and Kanban - Executive Briefing and Overview (half day)

This course is intended as an introduction to agile and lean methods such as Scrum and Kanban. It gives a broad overview of the methods and how they highlight waste, drive continuous improvement and foster innovation. We discuss the benefits promised, how to approach implementing them and the real-world problems you should expect. This serves as a great 'level-setting' activity for your organization, providing a common vocabulary to attendees and prompting discussions and reflection.

Project Management Institute – Agile Certified Practitioner (PMI-ACP) (two days)

In 2012 the PMI introduced a certification scheme for those working on or leading agile teams. This intensive 2-day course covers the wide-ranging syllabus including value-driven delivery, stake-holder engagement, boosting team performance, problem detection and resolution, adaptive planning and continuous improvement. Specific methods discussed include Scrum, XP and Kanban. Throughout the course, sample exam questions will be available to test your knowledge and practice for the online, 3 hour PMI exam. Additional sample exams will be made available to take home for further revision.

Note: certain eligibility criteria apply to gain certification – see www.pmi.org for details.

Some of our customers:



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The Product Owner Role in Agile/Scrum (one or two day)

In Scrum the Product Owner (PO) is defined as a critical role responsible for steering the overall Scrum project to maximize return on investment. It is concerned with bridging the gap between end-customers/stakeholders and the development team. This course provides an overview of scrum before delving into the responsibilities and characteristics of the PO role. We cover the tools Scrum provides to the PO such as Product Backlog, User Stories, Estimation, Definition of Done and Release Planning. In the two-day course we extend these topics to include determining value and risk, scaling the PO role across large projects, working with large backlogs, working with multiple teams and other advanced topics.

Advanced Product Owner (two day)

As you adopt and begin to scale agile, product owners often struggle trying to serve multiple teams, maintain a strategic focus and stay in touch with customers. Equally, in more complex enterprise environments with legacy systems, many interdependencies between groups and large projects, defining incremental stories and product releases becomes increasingly difficult. This course introduces advanced ideas to help scale the PO role and agile events such as sprint planning. We discuss how to run release planning meetings, define and rightsize technical stories and spikes and use quantitative measures such as Cost of Delay to enable effective prioritization across functions, teams and products.

Agile Requirements, User Stories and Estimation (one day)

Agile teams work in timeboxes with the aim of delivering working software each sprint. To do that requirements must be split into small, independently valuable increments that can be completed in days or weeks. The most common mechanism to do this is user stories, designed to drive collaboration and innovation while maintaining a strong customer/user focus in development. But writing effective user stories along with rightsizing and estimating them is hard. In this course we combine classroom training and team based exercises to provide attendees with the skills to work effectively with user stories.

Effective Agile Testing (two days)

Agile teams need effective agile test strategies and practices to help ensure the quality of delivered software. This course provides the knowledge and skills for agile testers and team members to address the risks associated with developing in an agile manner. It covers topics such as how to test functional and non-functional stories, agile automation strategies, the shift in the role of the tester in an agile team, techniques such as session-based exploratory testing and Test Driven Development. Typical testing pitfalls and lessons learnt are covered and team based exercises are used throughout.

For further details of our services in Lean/Agile software development methods contact services@agileinnovation.ie. We specialize in embedded coaching and training in Scrum, Kanban and Lean.

Kanban Bootstrap® – your 1st step to Lean Software Development

Do any of these apply to your team?

- We always seem to be **fighting fires** - everyone is busy but little is getting done
- We have so many inter-dependencies between teams, departments, functions – its **difficult to know where the problems lie**
- Re-engineering such a **complex environment** sounds risky and the chances of getting it right would be very slim
- We **never have time** to get to the root causes and fix things properly
- There's so much complexity, we're **not sure where to start**



The Kanban approach uses Lean Thinking to **regain control** of your process, providing **visibility** to where the underlying problems are, leading to **sustainable, evolutionary improvement**. Using simple tools and practices, Kanban drives **collaboration** across your organization and value stream. The result is **measurable**, step-by-step improvements to **maximize value** and **minimize waste**.

AgileInnovation has designed the **Kanban BootStrap®** program based on first hand experience implementing Kanban:

- To bring about evolutionary change and 'kaizen' Continuous Improvement culture
- To synchronise individuals, teams and functions across extended, complex value streams
- To support agility at the organizational level – capitalising on the responsiveness of your Scrum/XP teams
- To implement agile principles where timeboxed methods like Scrum don't fit (e.g. IT Operations, Maintenance and Support)

The Bootstrap Agenda

Our **Kanban Bootstrap®** program is much more than just training in concepts and practices – as well as explaining what Kanban is, we involve the team in understanding where they are now, what the next target condition is, and what steps they need to take to get there. The program can extend from 2 days for classroom training only, to a comprehensive consultation, training and support package for fully-fledged, strategic moves to Lean and Kanban. It can also be combined with agile methods such as Scrum and XP for development teams.