

CERTIFIED KANBAN SYSTEM DESIGN (KSD)



What is this course?

Certified Kanban System Design – Practically Implement Successful Evolutionary Change is a highly interactive course accredited by the Lean-Kanban University (LKU) and provides in-depth training in Kanban practices and the principles that underpin the Kanban method, including a fully immersive Kanban simulation.

The Kanban method is an evolutionary approach to change and change management by starting with what you do now, respecting current roles, responsibilities and job titles, encouraging acts of leadership at all levels and agreeing to pursue incremental, evolutionary change that evolves business processes using a Kaizen approach that reduces the risks associated with complex change programmes.

Participants will gain sufficient knowledge about the Kanban Method and related topics to:

- Lead or guide a team in their adoption of Kanban –from initial visualization and the design of kanban systems through to evolutionary change
- Answer questions and support the team in day-to-day operation
- Help teams to identify and resolve hindrances to flow
- Take measurements and create meaningful metrics that helps the team
- Evolve process and practice according to team needs in a meaningful way
- Connect with the Kanban community for the sharing of practical experiences and the development of new ideas and techniques

What are the prerequisites for this course?

There are **no prerequisites** for this training course, however students are expected to complete the pre-course reading required.

What will you learn?

Based on the trainer's practical experience, participants will learn how to:

- Identify internal and external sources of dissatisfaction
- Analyse demand vs capability
- Model the knowledge discovery process
- Design kanban systems and their visualizations
- Identify/prioritize improvements
- Choose cadences for activities
- Identify classes of service
- Create a rollout plan, negotiating strategy with stakeholders

What will you receive?

- **High quality instruction** from Tom Reynolds who has over 25 years experience in software development
- **Course materials** and for virtual courses access to the our Learning Management System and on-line content created during the course
- **Membership of the Lean-Kanban University (LKU)**
- **Lean-Kanban University (LKU) certificate** on completion of completion
- **A free electronic copy** of David Anderson's "Kanban: Successful Evolutionary Change for Your Technology Business" book worth £45
- **Membership of our alumni** community where you can receive help and support from our coaches and fellow alumni
- **One hour of personal/life coaching** post course worth £125
- **Loyalty discount** for future courses
- **Loyalty discount** for personal/life coaching
- **14 Category B Professional Development Units (PDUs)** can be claimed for this course
- **18.5 Continuing Professional Development (CPD) hours** and CPD certificate



What topics are covered?

Kanban Introduction

- What is Kanban
- Kanban with a big 'K' and little 'k'
- Kanban to Manage Change
 - Kaizen
 - Kaikaku
- Principles of the Kanban Method
- Kanban Core Practices
- When is Kanban Typically Used

Identify Work Items

- Demand analysis
- Handling large work items
- Kanban cards

Value Streams

- What is a value stream
- Mapping the knowledge discovery process through value stream mapping

Kanban Boards

- The relationship between a Kanban Board and the value stream
- Setting up and using a Kanban Board
- Different options for Kanban Boards
- Queues and buffers

Limit Work In Progress (WIP)

- Queuing Theory – Little's Law
- Calculating Lead Time
- Calculating Throughput
- Calculating WIP
- Calculating Release Time
- Why Limit WIP
- Techniques to Limit WIP
- Where to Apply WIP Limits

Make Management Policies Explicit

- Definition of 'done'
- Classes of Service
- Cost of delay

Measuring and Managing Flow

- Cumulative Flow Diagrams in Relation to Kanban
- How to Produce a Cumulative Flow Diagram
- How to Measure Lead Time
- How to Measure WIP
- How to Measure Flow
- Optimising Flow
- How to use the Cumulative Flow Diagram to Identify Problems
- Five Focusing Steps to Remove Bottlenecks
- Interpreting a control chart
- Interpreting a lead time distribution chart

Sources of variability

- Sources of dissatisfaction
- The impact of variability
- Techniques & strategies for removing variability

Cadence and rhythm

- The seven Kanban cadences
- Daily Standups
- Replenishment and commitment
- Delivery planning
- Service review
- Risk review
- Operations Review

Apply your learning

- Team based realistic simulation of a Kanban system in practice

Kanban in your organisation (STATIK)

- The context for change
- The steps required to build a Kanban system
- Apply a Kanban system to your organisation



Why choose Beliminal?

Our training has a depth and a power that inspires and changes you. Our trainers are some of the most experienced in the world and have rich insights into the changing world of work and a passion for transforming teams and organisations. They are able to bring your training alive by revealing its true power – helping you unleash your own potential as well as the potential of those you work with.

In addition you benefit from: -

- Delivery of a virtual course that has **been designed from the ground up** for virtual delivery using best practice tried and tested techniques to provide an engaging and compelling virtual experience
- **Reduced class size** for virtual courses to ensure our attendees have the highest quality learning experience possible.
- **Shorter training** days which are vitally important when training in a virtual manner that enhance your learning experience and increase your knowledge retention
- **Highly respected Lean-Kanban University (LKU) trainers** with decades of experience delivering high-quality Kanban training, implementing and coaching in the real world – **5/5 star rating (from Google Reviews)**

What about exams and certifications?

The Certified Kanban System Design training course has been accredited by David J Anderson (creator of the Kanban method) and Lean-Kanban University (LKU).

Those students taking this course will be eligible to become members of the Lean-Kanban University.

Certificates issued by the LKU for this course will show that the training was delivered by The Agile Mindset with Tom Reynolds as the trainer.

Who is this course suitable for?

This course is useful for anyone who wants to be successful using Kanban within their organisation or anyone who works with teams utilising Kanban. As such, it will benefit anyone who is involved in using Kanban or considering using Kanban. It will be helpful both to those new to Kanban and those who have explored Kanban but who now want to consolidate their knowledge in a practical setting.

In terms of roles, the course is suitable for Product, Project and Programme Managers, Development Team Members (including but not limited to Architects, Designers, Developers, Testers), Business Analysts and Scrum Product Owners and Scrum Masters who want to enhance their Lean / Agile skillset.

Attending the course as a full team offers a real opportunity for the entire team to experience and learn Kanban together and creates an excellent foundation for them to move forward.

How should I prepare for the course?

The Lean-Kanban University website provides lots of useful Kanban resources. Please visit: <https://edu.leankanban.com/>



What people say about this course

"If you are looking to implement Kanban in your organisation this is the perfect course for you" -

Sangeetha Balasubramanian

"Engaging, informative and an excellent starter to using Kanban to help achieve better delivery" -

Adam Parsons

"The entire course was fun, engaging and a lot of effective learning. Thank you!" -

Leighton Fernandes

Meet the Trainer



TOM REYNOLDS