

Lean Production

Learn to develop a production to fast, flexible flow

The course gives a thoroughly introduction to the Lean philosophy in production. The participants get the newest knowledge about Lean methods and tools. They get inspiration to estimate the potential by introducing Lean in their own company and to make a strategy to plan and implement Lean.

When working with Lean it is important to see your company with the eyes of the customer. That is why Lean is used to trim and vitalize the company as a whole. By developing efficient customer minded processes with fast, flexible flow, the companies' competitiveness is increased.

Production with a limited use of resources, short throughput limit, high flexibility and with attention on constant improvements through developing the employees creative abilities made Toyota one of the most well run and successful car manufacturer in the world.

Prerequisites

Fundamental knowledge of Lean e.g. from the course "Lean tænkning – i praksis" or equivalent courses or experience.

Who should attend?

The course is meant for manufacturing companies in all sizes and businesses. Besides the production processes the course also deals with Lean in production management, logistics, development and business administration.

The participants can be Production managers', team leaders, foremen, constructors, production technicians, logistics employers from supply or planning.

Operation economists and managers in sales and distribution will also be suitable for the course.

Course leader

John is Director of MSc in Lean Operations at Cardiff University Business School, that began in 1989 and is taught on-site – the first such programme in the world. In 2006 a Lean Service program was added to the original manufacturing program. He is the author of several bestselling books on Lean, including The Lean Toolbox, He has visiting appointments at four universities.

Teaching and materials will be in English.

Dates and prices

For dates and prices see www.effektivitet.dk under courses (Kursus).

The course is in two modules on 3 and 2 days.

The price includes compendium and the books:

"The Lean Toolbox" af John Bicheno,

"Fishbone Flow" af John Bicheno,

"The Toyota Way" af Jeffrey Liker.

Registration

Registration on www.effektivitet.dk under courses (Kursus) or contact the secretariat.

Further information

You are welcome to contact the secretariat on +45 7022 0004 or on info@effektivitet.dk.

Course Outline

Day 1: Layout and TPM

- Flow framework
- Types of layout
- Cell design principles and exercise
- Line balancing
- TPM principles
- OEETPM 9-step model

Day 2: Lean Scheduling

- Demand management
- MRP and Lean
- Capacity and Queues
- Dice Games
- Theory of Constraints overview
- Factory Physics overview
- 5 Building Blocks
- 10 Lean Scheduling Principles

Day 3: Lean Scheduling & Supply Chain

- Lean Scheduling (continued)
- Heijunka game
- Supply Chain concepts
- Lean supply
- Supply Chain Game
- 3 Day car and Tesco cases

Day 4: Teams & Change

- Standards and standard work
- Change in Lean implementation
- People issues
- Case study

Day 5: Lean Design, Lean Accounting & Measures for Lean

- Principles of Lean Design
- Design game
- Set based design
- Value Engineering
- Lean Accounting introduction
- Measures for Lean

The course also includes:

- Numerous videos
- Group excersises
- Case stydies

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