Publication date : 07/17/2024

Course : Lean Six Sigma®, introduction

improve the quality and efficiency of your processes

Synthesis course - 1d - 7h00 - Ref. LOX

Price : 990 CHF E.T.

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To satisfy customers, you have to deliver quality products", and it's on this rule that the Lean Six Sigma® methodology is based. This course introduces you to this approach, the benefits it can bring to the company, its impact on the organization and the issues to which it applies.

Intended audience

Anyone wishing to discover the Lean Six-Sigma® methodology.

Prerequisites

No special knowledge required.

Course schedule

1 Introduction to Lean Six Sigma

- History, origin, context of Lean Six Sigma®.
- Basic definitions of Lean Six Sigma®.
- Positioning Lean Six Sigma® in relation to other approaches (TQM, Lean...). Common tools.
- Meaning of Six Sigma, ownership of the Six Sigma process.
- The cost of poor quality.

Storyboarding workshops

Examples of the cost of poor quality. Exchange of experiences.

2 Lean Six Sigma® principles

- The 7 areas of waste: overproduction, waiting, use of resources, storage, errors, transport...
- Value Stream Analysis.
- 5S principles.
- The notion of variability, variation, the Six Sigma scale.

Group discussion

Group identification of waste in a process.

PARTICIPANTS

Anyone wishing to discover the Lean Six-Sigma® methodology.

PREREQUISITES

No special knowledge required.

TRAINER QUALIFICATIONS

The experts leading the training are specialists in the covered subjects. They have been approved by our instructional teams for both their professional knowledge and their teaching ability, for each course they teach. They have at least five to ten years of experience in their field and hold (or have held) decision-making positions in companies.

ASSESSMENT TERMS

The trainer evaluates each participant's academic progress throughout the training using multiple choice, scenarios, hands-on work and more.
Participants also complete a placement test before and after the course to measure the skills they've developed.

TEACHING AIDS AND TECHNICAL RESOURCES

• The main teaching aids and instructional methods used in the training are audiovisual aids, documentation and course material, hands-on application exercises and corrected exercises for practical training courses, case studies and coverage of real cases for training seminars.
• At the end of each course or seminar, ORSYS provides participants with a course evaluation questionnaire that is analysed by our instructional teams.
• A check-in sheet for each half-day of attendance is provided at the end of the training, along with a course completion certificate if the trainee attended the entire session.

3 The phases of the DMAIC method in Lean Six Sigma®.

- Phase "define". Explain the cost of low quality. Get organized.
- Phase "measure". Qualify problems using statistical indicators.
- Phase "analyze". Identify and classify potential causes. Test hypotheses.
- Phase "improve". Act on causes. Propose solutions, assess risks. Poka-Yoke method (deception).
- Phase "control". Monitor the effectiveness of the implemented plan, summarize it, retain best practices.

Group discussion

Identify opportunities for improvement.

4 Tools and roles

- Roles in implementing Lean Six Sigma®. The Six Sigma® project.
- Value Stream Mapping. Project charter, Gantt...
- Causal analysis tools (Pareto, Fishbone...).
- Statistics for measuring.
- Problem-solving tools (brainstorming, creativity techniques). Poka-Yoke methods, etc.
- Phase "control" (control plan, risk assessment matrix, etc.).

Storyboarding workshops

Presentation of models and examples of tools implemented on Lean Six Sigma® projects.

TERMS AND DEADLINES

Registration must be completed 24 hours before the start of the training.

ACCESSIBILITY FOR PEOPLE WITH DISABILITIES

Do you need special accessibility accommodations? Contact Mrs. Fosse, Disability Manager, at psh-accueil@orsys.fr to review your request and its feasibility.

Dates and locations

REMOTE CLASS

2026 : 11 June, 3 Dec.