

Lean Bronze Test Prep and Lean Foundations Training

Course Summary

Description

This course is designed to introduce leadership and employees to the concepts and techniques used in Lean Manufacturing and the Lean Enterprise Systems. We will be following the standard set by the SME and endorsed by the ASQ, Shingo Institute. The Lean Body of Knowledge will be covered in the following ratios established by the standard:

- Cultural Enablers (15%)
- Continuous Process Improvement (60%)
- Consistent Lean Enterprise Culture (10%)
- Business Results (15%)

This course is targeted at tactical deployments of Lean. The techniques taught are those that will be executed by practitioners working improvement initiatives and are critical to the successful accomplishment of strategic goals. Forty (40) hours of instructor led classroom/virtual instruction.

ASSESSMENT

Participants will be tested on their knowledge with quizzes throughout the training and a certification test should they choose certification

- Participants will be tested on their knowledge;
- Participants will conduct a training assessment at the conclusion of the course to evaluate the effectiveness of the content, delivery, relevance, and instructor.

*Advanced Process Optimization, Inc. is the International Reseller and Lean Partner to the SME.

Objectives

At the end of this course, students will be able to:

- Understand the history and evolution of Lean as we know it today
- Knowledge of the tools in the tactical toolkit of Lean
- Understand Lean Teams, Stakeholders, and Roles & Responsibilities of a Lean Organization
- Work as a valued, functional, and productive Lean Team member
- Obtain and demonstrate a solid understanding of basic lean principles and tools,
- Gain the ability to perform in tactical implementations that drive improvement and deliver measurable results

Topics

- Autonomation (Jidoka)
- Cells, one piece flow
- Continuous improvement (Kaizen)
- Cost, productivity results
- Customer demand pace (takt time)
- Customer requirements, satisfaction
- Distribution, logistics, delivery
- Flow
- Identifying value added/non-value added work
- Identifying waste
- Lean product design
- Load leveling/production leveling (Heijunka) Mistake proofing (Poka-yoke)
- Plan-Do-Check-Act cycle (PDCA)
- Problem solving (5 Whys)
- Pull systems (Kanban)
- Quality methods
- Quick changeover, setup reduction
- Root cause, corrective action
- Standard work
- Total productive maintenance (TPM)
- Value stream mapping
- Visual factory

Prerequisites

There are no prerequisites for this course.

Duration

Five days

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