

Course Content and Outline

Total Estimated Hours: 18.15

Session 1: Introduction to Lean Methods (2.0 Hours)

- Introduction
- The 5 Lean Principles
- What's In a Name?
- Input Determines Output
- DMAIC - The Lean Six Sigma Improvement Process
- Lean and DMAIC
- Thought Process Mapping - Toolset
- Session 1 Skill Check

Session 2: Lean Tools to Define and Measure (5.70 Hours)

- Introduction
- Process Thinking
- The Source of Value
- Value Stream Leverage
- The 7 Forms of Waste
- Process Mapping - Overview
- Value-Added Flow Charts
- Spaghetti Charts
- Takt Time
- Value Stream Mapping Toolset
- Balancing Capacity with Demand
- Measurements
- Discrete vs. Continuous Measurements
- Pareto Chart Toolset
- Benchmarking
- Kaizen Toolset
- Session 2 Skill Check

Session 3: Lean Tools to Analyze, Improve and Control (10.45 Hours)

- Introduction
- The A3 One-Page Report
- 5-Why, 1-How
- Design for Six Sigma (DFSS)
- Design for Lean
- Error-proofing
- Continuous Flow Toolset
- Quick Changeover Toolset
- Cellular Processing Toolset
- The Theory of Constraints (TOC) Toolset
- Pull System Overview
- Pull Scheduling
- Pull Systems
- Core Process Pull Toolset
- Visual Control
- 5-S Approach
- Total Productive Maintenance
- TPM Objectives & Benefits
- TPM Metrics
- TPM Core Elements
- TPM Maintenance Activities
- Standardized Work - Documenting Process Changes
- Session 3 Skill Check
- Course Completion

For additional information on this course, visit <http://www.moresteam.com/university/enroll/>

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