

Total Productive Maintenance (TPM) and Quick Changeover

Our self-paced online TPM and Quick Changeover training program covers all of the topics our classroom version covers. The format includes audio-visual presentation, templates, and a final quiz. And, just as our classroom version does, students will have the ability to contact the instructor with questions and requests for feedback on ideas. The program is self-paced and up to 3 months are allotted to complete it; students will have access to the program for 1 year. Upon completion, students will receive an electronic certificate of completion.

The program covers the following subject matter:

- Lean Principles
- 7 Wastes
- Operational Stability and Standardized Work
- TPM Overview
- OEE: Overall Equipment Effectiveness
- Implementing Autonomous Maintenance
- Quick Changeover Overview: The SMED System
- Implementing the SMED System

Features of the e-learning interface including audio-visual presentations, White Board, glossary, quiz/test, etc. are pictured on the following pages.

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Course Syllabus

The course is in PREVIEW MODE

Lean Six Sigma Black Belt Syllabus (Self-Paced)

Instructor: Darren Dolcemascolo, darrend@emsstrategies.com

Program Requirements for Certification:

1. Readings from Required Book: [The Six Sigma Way Team Fieldbook](#), Peter S. Pande, Robert P. Neuman, and Roland R. Cavanagh, 2001. (Available in bookstores and online booksellers)
2. Online Audio-Visual Presentations
3. Final Test/Quiz (70 Questions, Multiple choice, 70% or better score)
4. Case Exercises (provided online as downloadable attachments)
5. Black Belt Project Requirement

Recommended Reference Book: [Lean Six Sigma Pocket Toolbook](#), Michael L. George, David Rowlands, Mark Price, and John Maxey, 2005. (Available in bookstores and online booksellers)

CONTENT

- Course Syllabus
- Course Curriculum
- Introduction to Lean Six Sigma
- Lean Six Sigma Cartoon
- Chapter 1 Assignments
- Intro to Lean and Six Sigma
- Lean Six Sigma Implementation
- Basic LSS Templates
- NPV Analysis Cartoon
- Project Selection
- Value Stream Mapping Cartoon
- Value Stream Mapping Overview
- Current State Mapping
- Future State Mapping
- Acme Widget VSM

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Course Syllabus

Course Content

Additional Features (Glossary, Help, etc.)

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Current State Mapping

The course is in PREVIEW MODE

CONTENT

- Course Syllabus and Slides
- Introduction
- What is Continuous Improvement
- Cartoon
- Lean Overview
- The Seven Wastes
- Value Stream Mapping: Current State
- Value Stream Mapping Cartoon
- Value Stream Mapping Overview
- Current State Mapping
- Lean Value Stream Principles: Leveling and Connecting Flow

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MP4 Audio-Visual Presentations

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Final Test

COURSE CONTENT QUIZ MY STUFF

CONTENT

- ✓ Course Syllabus and Slides
- Introduction to Lean and the 7 Wastes
- ✓ What is Continuous Improvement?
- ✓ Lean Overview
- ✓ The Seven Wastes
- ✓ Lean Healthcare: The Doctor's Office
- ✓ Lean Healthcare Overview
- Final Test**

Final Test

You have come to the end of the audio-visual lessons. Please ensure that you have completed all other assignments (see syllabus). If you are ready at this point for the final test, please click "Quiz" on the left or top of the screen. This is intended to show you formatting for our quizzes. This trial program includes a simple 7 question quiz. If you are ready to register for one of our certification or other training programs at this point, please visit the online lean training page of our website: <http://www.emsstrategies.com/Lean-Training/lean-training-online.html>. Courses include Lean Manufacturing Certification, Lean Six Sigma Black Belt, Lean Six Sigma Green Belt, Lean Six Sigma Yellow Belt, Lean Healthcare Certification, and many others.

[Click here to start your quiz](#)

[back to Course](#) [Top](#)

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Final Test

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Lean Six Sigma Black Belt Certification Program

COURSE CONTENT QUIZ MY STUFF

Term in all Glossary Search

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z #

alpha
Probability of a type 1 error in hypothesis testing, usually chosen to be .05, .10, or .01.

Andon
A system of flashing lights used to indicate production status in one or more work centers/machines within a facility.

Autonomous Maintenance
A program in which equipment operators share responsibility with maintenance staff for the care of the equipment they use.

Balanced Experiment (DOE)
An experiment is balanced when each factor has the same number of experimental runs at both high and low levels.

Batch and Queue

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Glossary