Lean Six Sigma Green Belt Online
Root out waste and inefficiency, and improve your processes

LEAN METHODS GROUP

Course At-A-Glance

Appropriate For: Anyone in any industry who wants to develop new or refine existing problem-solving skills

Length: 1 year to complete the course at own pace, 75 hours of instruction

Cost: $1,000 for Training, Quizzes, Exams, and CEUs

Software*: Minitab 1-year $550, Full $1,495; SigmaXL: $224
SigmaXL or Minitab is required for this course.

CEUs: 7.5

About Lean Six Sigma Green Belt Online

Lean Six Sigma Green Belt training develops people into team leaders and problem-solvers who can regularly improve processes within their local areas and functions. Based on the same world-class curriculum as Lean Methods Group's classroom version, the Lean Six Sigma (LSS) Green Belt Online course is delivered through Lean Methods Group's interactive, HTML-based eLearning system, offering accessibility and ease of use across both desktop and mobile devices (closed captioning is available).

This course follows the disciplined Six Sigma DMAIC (Define-Measure-Analyze-Improve-Control) roadmap, providing a framework to collect and analyze performance data, identify inefficiencies and problems, pinpoint root causes, and institute new protocols to greatly improve processes. In addition to teaching the complementary methodologies of Lean and Six Sigma, this course also covers skills in leading teams through the process of change and in applying creative-thinking techniques to reach out-of-the-box solutions.

Courses are complete with engaging visual content and animated modules, as well as activities and real-world case studies. Students master the learning modules at their own pace and in their own time.

> *"[The] eGreen Belt training enables me to analyze production processes more deeply and identify the weak points."*
>
> **–Roger Naoum, Green Belt, Super Pufft Snacks Corp.**

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Learning Objectives

Upon completion of this course, participants will be able to:

- Define, design and execute DMAIC projects.

- Apply such Lean concepts as 5S, waste reduction, mistake proofing and value stream mapping.

- Formulate basic statistical analyses to determine the relationship between key inputs and process outputs.

- Apply DMAIC to solve business issues and transition projects from phase to phase.

- Effectively manage team dynamics and recognize how to work with leadership.

- Prepare and present project reports and presentations to instructors, peers and management.

Agenda

Define

Intro to Lean Six Sigma
Intro to Lean
Project Scoping
High-Level Process Maps
Six Sigma Metrics
Project Definition
Creating Pareto Charts
Preparing to Manage Change
Minitab Users: Intro to Minitab
SigmaXL Users: Intro to SigmaXL
Intro to Statistics
Building Teams
Six Sigma Roles and Responsibilities
Six Sigma Literally Speaking (Optional)
Job-To-Be-Done (Optional)
Outcome Expectations (Optional)
Job Scoping (Optional)

Measure

Leading and Communicating Change
Creating Awareness
Creating a Shared Need
Data Collection
Attribute Measurement Systems + Validation Checklist
Variable Measurement Systems - Basic
Mid-Level Process Maps
Current State Value Stream Maps
The Eight Types of Waste
Capability Analysis
Process Analysis Tools (Optional)
Variable Measurement Systems - Level 2 (Optional)

Analyze

Shaping a Vision/Mission
Building Commitment
Fishbone Diagrams
Building a C&E Matrix
Building a FMEA (Failure Modes & Effects Analysis)
5S
Flow
Spaghetti Diagrams
Understanding Graphs
Hypothesis Testing
Basic Tests of Hypothesis

Agenda - Continued

Improve

Keeping Change Momentum

Brainstorming Techniques

Mistake Proofing

Pull

Evaluating Solution Ideas

Creating a Pilot Plan

Generating Solution Ideas (Optional)

Intro to Innovation (Optional)

Provocation and Movement (Optional)

Triz (Optional)

Control

Making Change Last

Building a Control Plan

Control Methods

Intro to SPC

Constructing Control Charts

Plan-Do-Act-Study (PDCA)

Project Closure

To register for this course, visit leanmethods.com/green-belt-online
or call +1 (303) 827-0010.