

Lean Six Sigma Green Belt Boot Camp

Course Overview

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This is a 4-day class

The accelerated Lean Six Sigma Green Belt program and methodology allows students to complete certification requirements faster than traditional Six Sigma and Lean training programs. NOTE: The cost of the certification exam is included with the price of the course. Additionally, this course will earn you 28 PDUs.

Course Objectives

This four-day course, combined with a Green Belt test and demonstrable application of the tools will lead to Green Belt certification.

Course Outline

1 LEAN SIX SIGMA INTRODUCTION

Introduction to Lean Six Sigma
Overview Lean Six Sigma Principles & Terminology
Roles and Responsibilities in a Lean Six Sigma Organization
Value Stream Maps
5S
7 Wastes
Project Selection

2 DEFINE PHASE

Voice of Customer
Project Charter
Process Mapping (high level and detailed mapping)

3 MEASURE PHASE

Selecting Measures: $Y=f(x)$
Data Collection Planning
Baseline Data Collection
Basic Statistics

4 ANALYZE PHASE

Process Analysis (Non-Value Add vs. Value Add)
Graphical Analysis
Determining Root Cause

5 IMPROVE PHASE

Lean Solution Concepts: Standard Work, Batch Size Reduction, Work Cells, Kanban, Pull Systems and Kaizen Events
Brainstorming Solutions to Address Root Cause
Solution Selection, Pilot and Implementation
Improvement Data Capture

6 CONTROL PHASE

Monitoring, Revision and Response Plans
Mistake Proofing and Visual Management
Replication



800.683.NHLS (6457)
nhls.com



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7 GREEN BELT TEST



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nhls.com

