



Lean Six Sigma Black Belt Training



DMADV and Design of Experiments

*“Winners never quit,
quitters never win.”*

Key Concepts:

The Evolution of Lean Six Sigma

The DMAIC Process

DMDAV Principles and Processes

Design of Experiments

Leading the Six Sigma Team

Six Sigma Courses

Peregrine Champions Training

Peregrine Six Sigma Green Belt

Peregrine Six Sigma Lean

Peregrine Enterprise Six Sigma Fusion

Additional Peregrine Training

Peregrine Balanced Scorecard

Peregrine Baldrige Quality Management

Peregrine Program Management Professional Test Preparation

Strategic Operational Excellence

Who Should Attend: For the process management professional who seeks to understand the fundamentals of the DMAIC/DMADV and Design of Experiment improvement process and gain a full understanding of the Six Sigma principles, Individuals who meet ASQ Black Belt pre-requisites and is seeking certification.

Overview: The Lean Six Sigma Black Belt course is comprised of eleven separate sessions. Each session is a collection of related lessons, and includes an interactive quiz at the end of the session. Many of the lessons include interactive practice exercises.

By completing this course of study, you will gain a solid general knowledge of the theory, composition and implementation of a Six Sigma initiative. You will also become proficient in all of the analytical tools necessary to define, measure, analyze, improve, and control Lean Six Sigma improvement projects, including the design and analysis of general and fractional factorial experiments. You will learn team leadership and project management skills. In short, as a Black Belt, you will master the skills necessary to lead a complex process improvement project that produces bottom-line results.

If you have enrolled in a certification version of this course, then upon completion of this course of study, including satisfactory completion of a Six Sigma improvement project.

Six Sigma Black Belt Training
• <i>Introduction To Lean Six Sigma</i>
• <i>Define 1 - The Value Stream</i>
• <i>Define 2 - Voice of the Customer</i>
• <i>Measure 1 - Introduction to Measurement</i>
• <i>Measure 2 - Charting Process Behavior</i>
• <i>Analyze 1 - Identifying Root Cause</i>
• <i>Analyze 2 - Hypothesis Testing</i>
• <i>Analyze 3 - Design of Experiments</i>
• <i>Improve - Introduction to Improve</i>
• <i>Control - Keeping the Gain</i>
• <i>Leading Teams and Leading Change</i>