

OPEN SESSION WORKSHOP: LEAN SIX SIGMA UPGRADE TO BLACK BELT*
SOUTHURY, CT

WEEK 1: MAY 2-6, 2011

WEEK 2: JUNE 6-10, 2011

These 10 days of training will consist of two 5-day training sessions spanning approximately four weeks. Participants will become technical experts for on-site implementation of Lean Six Sigma programs and leaders of major Black Belt-level project teams.

Enrollment includes the coveted certification as a Juran Black Belt, conditional on:

- Satisfactory completion of the workshop
- A passing score on the Black Belt upgrade examination
- Satisfactory presentation and review of a successful and approved Black Belt project

WORKSHOP OBJECTIVES

- Learn the most effective means to support management in Lean Six Sigma in your enterprise or business unit.
- Use diagnostic tools and techniques to prove root causes.
- Design and control improvements to hold significant gains.
- Achieve significant results that affect the bottom line.

ATTENDANCE REQUIREMENTS

Each Belt Candidate must bring to the workshop:

- Juran approval to enroll—based on either completed Juran Green Belt Certification or other training supplemented with a passing score on the Juran Green Belt examination and interview by the instructor (call for details).
- A management-approved project to work on during the workshop and beyond.
- A laptop computer with Minitab® loaded and working.

SESSION TOPICS (PARTIAL LISTING)

- Performance System Infrastructure
- Project Selection
- Project Charters
- Advanced Minitab®
- Measurement Systems Analysis for Variables Data
- Process Capability Measurement and Study
- Failure Mode Effects Analysis (FMEA)
- Advanced Hypothesis Testing, e.g. paired-t
- Value Stream Mapping
- Non-parametric Hypothesis Extensions – Moods and Sign
- Multiple Regression with Residual Analysis
- Factorial, Blocking, Center Point, and Fractional Designed Experiments
- Feedback Loop
- Dominant Variables
- Statistical Process Control for Special Cases – Short Runs, Process Shift, etc.
- Inventory Analysis



WHO SHOULD ATTEND

This workshop is intended for managerial level or technical specialists assigned full-time responsibility to implement Lean Six Sigma and multi-functional improvement projects within an enterprise or business unit, or to lead major, challenging Lean Six Sigma improvement projects.

COST: Contact Juran at 203-267-3445 or tina@juran.com for special rates.

Price does not include Minitab[®] software, which can be purchased at a discounted price through Juran.

WHO IS JURAN INSTITUTE?

Juran is a training and consulting firm founded in 1979 by Dr. J.M. Juran, the internationally recognized pioneer and visionary in the field of quality management. We are recognized worldwide for pioneering the methods, techniques, and strategies for achieving performance breakthroughs and sustainable business results.

We work in collaboration with our clients to identify and eliminate non-competitive, non-repeatable, and non-performing processes. We transfer our accrued knowledge to our clients so that they have the tools to determine specific, measurable means of identifying and prioritizing improvement opportunities, optimize and deploy the key resources to solve them, hold the gains, and achieve sustainable, breakthrough results.

**Schedule subject to change*