

Six Sigma

For Leaders & Champions



The foundation of successful Six Sigma performance improvement is a knowledgeable, committed, engaged, and focused leadership. While the Black and Green Belt teams focus on the nitty-gritty: completion of significant process improvement projects, senior leadership drives the Six Sigma initiative by creating the necessary environment to ensure real and lasting results. “Champions” work the middle as they remove barriers to progress by resolving issues or communicating them to senior management. Both roles in successful Six Sigma initiatives cannot be underestimated.

This two-day course provides an essential understanding of the key elements of Six Sigma so that senior managers and champions understand their roles in and responsibilities for implementing a robust Six Sigma initiative. Participants will also gain hands-on experience with a number of key Six Sigma process improvement tools by applying them to a simulated process. A guide for planning, implementing, and sustaining a Six Sigma performance improvement initiative will be provided.

Upon completion of this course, participants will be able to initiate deployment of Six Sigma in their own organizations, including selecting personnel and initial projects for Black Belts and Green Belts.

Course Outline

Day #1

- ❑ **The Six Sigma Performance Improvement Initiative: An Overview**
- ❑ **"Proof of the Need:" The Financial ROI of Six Sigma**
- ❑ **Six Sigma Breakthrough Strategies**
 - **Project Roadmaps: DMAIC & DMADV**
 - **Essential Six Sigma Tools**
- ❑ **"Transactional" vs. Manufacturing Six Sigma Applications**
- ❑ **Project Selection: How to Decide Where to Work**
- ❑ **Personnel Selection: Roles & Responsibilities**
- ❑ **Workshop: The Robin Hood Exercise - Part I**

Day #2

- ❑ **Workshop: The Robin Hood Exercise - Part II**
- ❑ **Deploying Six Sigma: Maximizing the Impact**
- ❑ **Six Sigma Case Studies**
 - **Manufacturing & Transactional**
- ❑ **Design for Six Sigma: Roadmaps & Tools**
- ❑ **Lean vs. Six Sigma: Commonalities and Differences**
- ❑ **Implementing Six Sigma**
 - **Critical Success Factors**
 - **Sustaining the Gains**
- ❑ **Culture Change: Making Six Sigma Last**

Course Leader: Donald K. Lewis, Ph.D.

Don Lewis is Principal, Lewis Consulting LLC, whose mission is to enable clients to improve their competitive performance through effective application of proven quantitative decision-making methodologies. In the role of a Master Black Belt, he has trained numerous “waves” of Six Sigma Black and Green Belts, and consulted on hundreds of manufacturing and transactional Six Sigma performance improvement projects. In the last two years Lewis Consulting’s Northwest clients have captured over \$14 million in cumulative project savings through their Six Sigma project work. Since establishing his consulting practice in 1986, Don has trained and mentored over five thousand technical professionals to apply quantitative methods in their project work. Recently, Don has trained over one hundred and fifty Black Belts as a Lead Instructor in Motorola University’s Digital Six Sigma Black Belt training program. He is an Adjunct Professor in the Department of Management of Science & Technology at the OGI School of Science & Engineering in Portland, Oregon as well as the Atkinson Graduate School of Management at Willamette University. He received his B.A. in mathematics from Claremont McKenna College and Ph.D. in biostatistics from the University of North Carolina at Chapel Hill. Don is an ASQ Certified Six Sigma Black Belt.

Who Should Attend

This program is aimed at senior management, organizational leaders, middle management, and other decision-makers responsible for implementing and allocating resources for organization-wide performance improvement initiatives. Those individuals who will manage Black Belts (or other project leaders) and select or facilitate their projects will also benefit from this program.

Course Provisions

- ❑ All course materials, reference texts, and handouts.
- ❑ Refreshments and lunches.
- ❑ Pre- and post-class assistance from the course leader with project identification and selection for participants in Black Belt or Green Belt training.

Course Location & Schedule

Portland, Oregon
Site to be determined.

October 17-18, 2005

Class hours are 8:30 – 5:00 each day.

Registration Fee & Information

Registration Fee: \$695. (Discounts are offered for three or more registrants from the same organization.)

To register or for more information about the course:

Phone: (503) 244-4223

Web: www.consultlewis.com