



Applied Six Sigma – SoMN APICS Spring Seminar

This interactive seminar will cover the basics of Six Sigma from the point of view of a practitioner in an industrial setting. The emphasis will be more “how-to” than theoretical. Upon completion of this seminar, the student will be familiar on a working level with the Six Sigma tools leading to a Green Belt certification level. Certification, however, is not the goal of this course. Dr. Evers is a Certified Six Sigma Black Belt with many years experience in industries ranging from electronics and automotive to heavy construction equipment in the US and Europe.

Dr. Craig Evers, Assistant Professor in the Automotive and Manufacturing Engineering Technology Department at Minnesota State University, Mankato, has extensive experience in practical Lean and Six Sigma processes and training. Prior to joining the faculty at Minnesota State Mankato in 2006, he was employed at John Deere, where he worked mainly in the

Supplier Development program. His work there focused on resolving supplier issues of cost, quality and delivery, working with Deere suppliers throughout North America and Europe, as well as South Korea.

He received his BSME from Utah State University, and earned his master’s and doctoral degrees in Industrial Engineering from Auburn University. He is registered as a Professional Engineer in the state of Indiana, and is also an ASQ Certified Six Sigma Black Belt. He has taught industry and college courses in Six Sigma and has used that and the tools of lean manufacturing in many different industries. He has extensive industrial experience as well as once owning his own consulting practice. He has also taught at Auburn and Purdue Universities.

Details:

When: Wed., May 21, 2008

Registration: 7:30 am

Seminar Starts: 8:00 am

Ends: 4:00pm

Riverland Community College
Owatonna, MN

Registration Form

Name: _____ Company: _____

Address: _____ City/State/Zip: _____

Phone: _____ Email: _____

Pricing: Individual: \$195 Group (3 or more same company): \$175/person Student Rate (with current ID): \$175/person

Please register for our exciting seminar by contacting:

Becky Wolfe at 507-455-4371 or becky.wolfe@spx.com

“Applied Six Sigma”

Southern MN APICS Seminar May 21, 2008

7:30 am to 4:00pm
With Dr. Craig Evers

Participant Deliverables:

At the end of this seminar, participants should be able to:

1. Be able to explain what Six Sigma is and how it can be effectively used.
2. Be able to explain the DMAIC process.
3. Understand each component of DMAIC and be familiar with the tools used for each.
4. Demonstrate an understanding of specific Six Sigma tools.

Who is ready for this seminar?

- ✓ Participants who have overcome any fear of basic statistical concepts and have:
- ✓ Those with basic concepts of statistics - while not math focused, certain math concepts will be discussed.
- ✓ An appreciation of the principles of change management.
- ✓ Related industrial experience. *This definition is quite broad, as Six Sigma can be applied to a wide variety of industries and situations*
- ✓ A willingness to share in class discussions and learn through one's own mistakes.

Main Topics: (8 total hours with Lunch and

Discussion Breaks)

- Course Introduction)
- DMAIC
- Define
- Measure
- Analyze
- Improve
- Control
- Tools – what, why and when



Sub-Topics:

- Writing the project charter
- Defining roles for process participants
- Developing and validating a data collection process.
- Concepts of variation, process capability, Pareto and frequency sampling.
- Understanding different analysis techniques, their uses and limitations.
- Use of all the above to improve a process.
- Human aspect of change management.
- Concepts of process control.