

Want to learn about Six Sigma?

Six Sigma, improving business processes by reducing defects and errors



Overview of Lean and Six Sigma (6 hours = 6 CEH)

Schedule: Friday April 5, Price \$595

Seminar Description:

- Overview and history of Lean Principles and Six Sigma
- **Lean**
 - Basic terms, principles, and concepts
 - Value added and non-value added activities
 - Sources of waste
 - Overview of toolkit
- **Six Sigma**
 - Basic terms, principles, and concepts
 - The DMAIC framework
 - Variation
 - Overview of toolkit
- Leadership's role
- Integrating continuous improvement with the organization's strategy
- Common obstacles and keys to success
- Overview of certifications available
- Class exercises to demonstrate benefits

Learning Objectives

- Understand the basic concepts of Lean and Six Sigma improvement methodologies
- Inform your organization to explore the concepts further

Audience

- Leadership, practitioners, professionals, students

Note: This course does not lead to any Six Sigma certifications.



DUQUESNE
UNIVERSITY
Palumbo-Donahue
School of Business

OUR INSTRUCTOR: Dr. Michael Sherwin

Mike Sherwin is a full-time Assistant Professor of Supply Chain Management at Duquesne University, teaching courses in supply chain management, operations, and Lean Six Sigma. Before joining Duquesne University, he served as an Assistant Professor of Industrial Engineering and Assistant Graduate Program Director at the University of Pittsburgh. He has taught and developed courses in supply chain management, operations, quality, Lean/Six Sigma, and was responsible for the Industrial Engineering Senior Design Capstone Program. Before joining academia, Dr. Sherwin spent more than 15 years working in the nuclear power, defense, metals, and aerospace industries. He is President-elect of the Institute for Industrial and Systems Engineers (IISE) Logistics and Supply Chain Division Board of Directors, an ASQ Six Sigma Black Belt, a registered Professional Engineer in the Commonwealth of Pennsylvania, and a certified training partner for the American Society for Quality (ASQ).

Dr. Sherwin has a Ph.D. in Industrial and Systems Engineering (Mississippi State University), an M.S. in Industrial Engineering (Penn State University), an M.B.A. (Carnegie Mellon University), and a B.S. in Materials Science and Engineering (Penn State University). His research interests are applied decision analytics, reliability optimization, and risk mitigation within critical supply chains. He is also interested in teaching methodologies with a specific interest in Industry 4.0 applications.



In Collaboration with ISM-Pittsburgh and Duquesne University

Class to be held in person at Duquesne University's Rockwell Hall. Parking available at The Garage at Manor Complex, 564 Forbes Avenue—just a half block from Duquesne's Rockwell Hall. 10% discount to ISM members, Duquesne Alumni and companies sending five or more employees.

Register at <https://pittsburgh.ismworld.org/>

NOTE: Minimum of five registrants required or class may be cancelled.



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