



Advanced LEAN Courses

 Operational Excellence & Quality

11 days over 2 months

MANTEC's Advanced LEAN Courses include courses that develop the ability to lead a team, technical training in higher-level topics, and gives your employees the LEAN knowledge and skills necessary to succeed.

The Classes*

- Total Productive Maintenance** April 4 - 6, 2017
- LEAN for Business Processes** April 18, 2017
- Daily Performance Management/A3** May 11 and 12, 2017
- Pull/Kanban Systems** May 23 and 24, 2017
- Effective Team Leadership** June 6 - 8, 2017

*See back for descriptions

Benefits of LEAN

Tangible

- Reduced leadtime
- Improved quality
- Reduced cost
- Reduced inventory
- Improved productivity
- Better floor-space utilization

Intangible

- Better teamwork
- Improved morale
- Better perception in the eyes of the customer

Identify the Waste

- D**efects
- O**verproduction
- W**aiting
- N**on-utilized people skills
- T**ransportation
- I**nventory
- M**otion
- E**xtra processing

April 4 - June 8, 2017 (See dates above)

- Most classes held at MANTEC- 600 North Hartley Street, Suite 100 York, PA 17404
- Total Productive Maintenance held at Ecore International
- \$3300/company - Can send the same person to all 5 courses or different individuals
- Courses available at individual rate. See website for pricing.

Register at: mantec.org
Questions? 717-843-5054

Advanced LEAN Course Descriptions

Total Productive Maintenance April 4 - 6, 2017

This 3-day workshop is a production-driven improvement methodology that is designed to optimize equipment reliability while improving safety, and ensuring efficient management of plant assets through the use of employee involvement and engineering. TPM allows you to tap into the 'hidden capacity' of unreliable and ineffective equipment. Learn how manufacturers have improved productivity, quality, customer service, and safety levels by reducing unplanned downtime as much as 40-60% through this operator-based maintenance program. During this course, major topics will include learning and applying the Overall Equipment Effectiveness (OEE) measure, a hands-on introduction to Predictive Maintenance techniques such as thermography, vibration analysis, ultrasonics, and assistance identifying and correcting safety and ergonomic problems.

LEAN for Business Processes April 18, 2017

LEAN for Business Processes helps companies with any type of administrative function to streamline information flow--the gathering, improving, movement and storage of information. Just like LEAN for the factory floor, LEAN for Business Processes focuses on reducing total cycle time--in this case, the time between orders being placed and when payments are received. Basic process mapping techniques will also be taught and immediately applied to a simulated office process to identify waste and develop improvement plans. Emphasis will be placed on cross-functional process mapping. This full-day workshop combines classroom instruction with interactive live simulation where class participants take on the roles of managers and workers within an office.

Daily Performance Management/A3 May 11 and 12, 2017

What you measure is what your employees will focus on. Most customers primarily measure their suppliers based on Quality, Delivery, and Cost. Those same measurements on the shop floor as to how it is satisfying its customers are vital to continuously improving most company operations. Capturing the right measurements and having a process to review and improve them is of vital importance to the success of your LEAN transformation. With the right measurements in place, you can build and sustain momentum and win the support you need. With the wrong measurements in place, you are falling on your sword and not leveraging the efforts of your teams to successfully focus on critical bottom line issues.

In this course, you will learn about how world-class companies attain 100% employee involvement, how to improve the culture of your organization, and how to link company strategies to plant-floor visual measures through SQDC boards (Safety, Quality, Delivery, and Cost). The 2-day course will also include how to use the A3 problem solving process for team-based problem solving and training via simulation on basic root cause problem solving tools (5 why's, fishbone analysis, pareto charts). Attendees will be able to take back to their work environment the tools to drive effective and continuous improvement.

Pull/Kanban Systems May 23 and 24, 2017

Learn how pull systems work, the benefits of a pull system versus production based on forecasts, and determine if pull systems are right for your business. This workshop allows participants to explore the process of designing and implementing Pull Systems/Kanban through classroom instruction and hands-on production simulations. Pull systems control the flow of resources in a production process by replacing only what has been consumed and employs customer order-driven production schedules based on actual demand and consumption rather than forecasting. The 2-day course will start with understanding how to implement a pull system with customer orders, run an entire company based on pull systems, and interact with suppliers with pull systems, then proceed to designing a pull system for a workcell.

Effective Team Leadership June 6 - 8, 2017

Organizations know that they need the power of teams to achieve their best results. Effective facilitation is what transforms an average team into a high-performing, highly successful team. This can create a special challenge for anyone leading teams or meetings. This workshop will enable participants to experience the roles and techniques of facilitation as they are learned. Participants will facilitate small group activities and will receive feedback and coaching after each performance. In this three-day workshop you will gain an understanding of the facilitator role and the importance of managing meetings; steer teams through a variety of decision-making processes; spark creativity and innovative ideas from all; assess a team's needs, deal with challenging team behaviors, and design effective team processes.