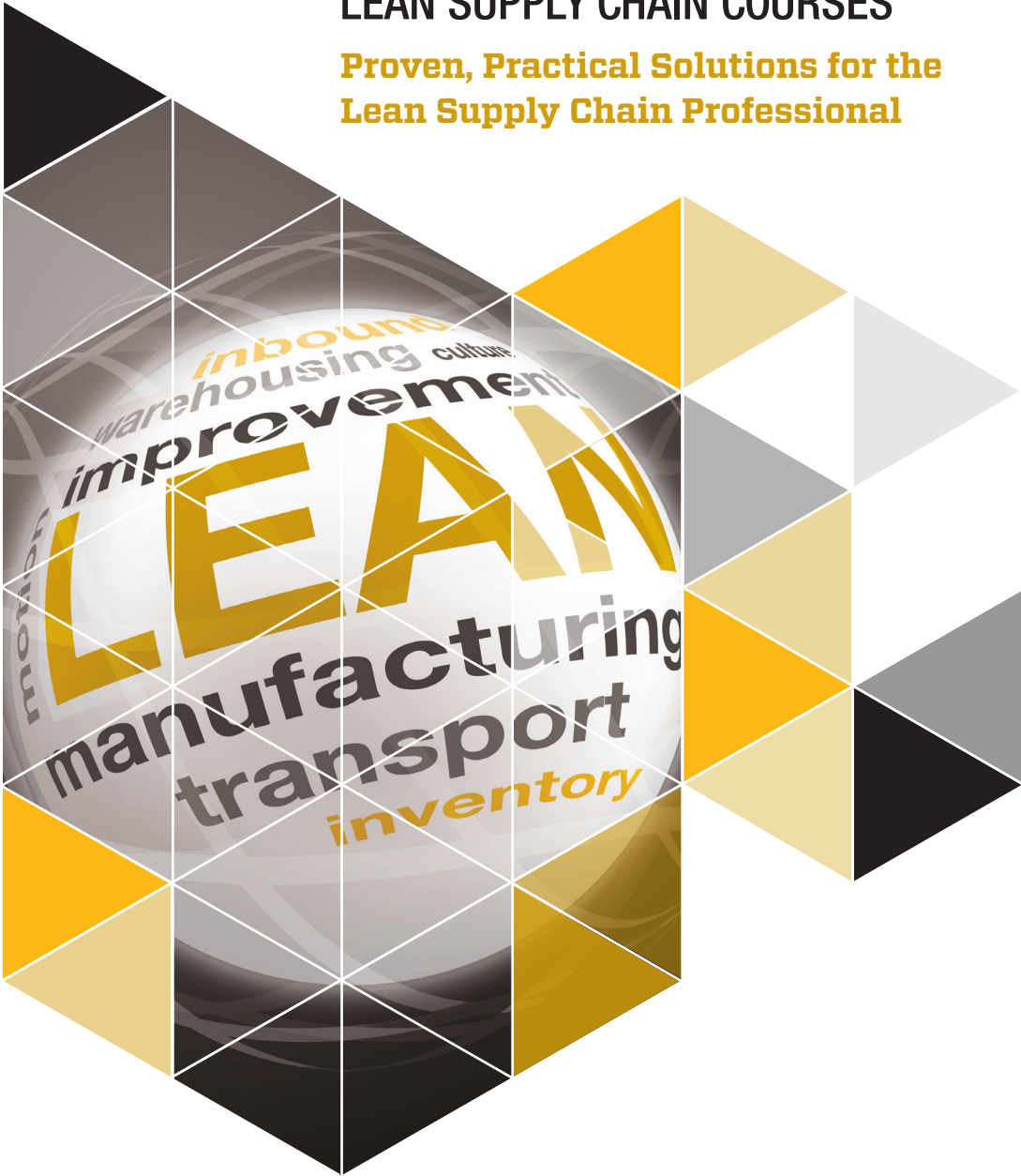


# 2016

## LEAN SUPPLY CHAIN COURSES

**Proven, Practical Solutions for the  
Lean Supply Chain Professional**





Course

1

# Lean Essentials for the Supply Chain Professional\*

(Formerly Building the Lean Supply Chain Problem Solver)

Applies to the  
**Lean Supply Chain  
Professional Certificate**

March 8-10, 2016 | Atlanta, GA

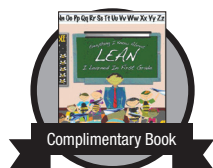
September 13-15, 2016 | Atlanta, GA

**Understand the thinking behind lean and see your operations from a new vantage point.**

Learning the fundamentals is the first step in advancing your supply chain. In this first course, explore the principles and tools of lean thinking and see your operations from a new vantage point. From concepts like standardization and process thinking, to tools like value stream maps and dashboards, you will gain the skills and problem solving tools necessary to identify and eliminate waste at the root cause.

## Course Topics

- Lean and process thinking
- Mental models
- Fundamentals of waste
- Problem identification
- Stability, standardization, quality at the source, flow, and customer focus
- “Go See” management
- Time and motion
- Value Stream Mapping (VSM) – current state – Kaizen bursts
- Plan Do Check Act (PDCA) methodology
- Pareto Analysis
- Cause and effect diagram (Fish Bone)
- 5 Why Analysis
- Project selection & XY matrix
- Team development & A3 thinking
- Data collection planning
- Visual management and 5S
- VSM future state – GAP analysis
- Failure modes and effects analysis
- Collaboration and systems thinking
- Catchball process and progressive dialogue
- Dashboard creation
- Basic control charts



### Book Included:

*Everything I Know About Lean I Learned in the First Grade*

*\*At the end of each course, a take-home project is assigned allowing participants to implement their new lean skill set in the workplace.*

## Lean Series Course Pricing

Standard Course Price.....	\$3,000
SCL & GT Alumni/Org. Discount Price.....	\$2,700
Certificate Price Per Course.....	\$2,490**

*\*\*\$7,470 total for all three courses. Must purchase all three courses at once to receive discount*



## Course 2

# Lean Implementation for the Supply Chain Professional\*

(Formerly Building the Lean Supply Chain Professional)

April 12-14, 2016 | Atlanta, GA

October 25-27, 2016 | Atlanta, GA

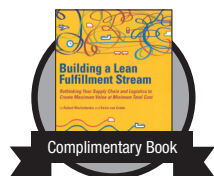
Applies to the  
**Lean Supply Chain  
Professional Certificate**

## Apply lean principles to advance your supply chain.

Connecting lean and waste reduction to supply chain management functions achieves improved inventory visibility, logistics control, and optimal supply chain performance. In this course, you will understand how to apply pull systems, leveled flow, and waste reduction strategies to your supply chain. Simulations and application exercises will train you how to think from a “systems” perspective to reduce the total cost of fulfillment. Upon course completion, you will take away the strategy and tactics to implement your lean supply chain.

## Course Topics

- Lean fulfillment stream guiding principles
- Strategic profit model and ROI
- Review of actual value stream map
- Pull systems simulation
- Customer focus – Takt time and SKU stability
- Outbound Logistics – Kanban calculation
- Shipping – receiving – yard management
- Material and parts ordering
- Inbound logistics – network design
- Lean logistics simulation – total cost
- Total landed cost
- Lean supplier management and collaboration
- Intro to the A3X – company vision and strategy model



### Book Included:

*Building a Lean Fulfillment Stream: Rethinking Your Supply Chain and Logistics to Create Maximum Value at Minimum Total Cost*

## Learn how to apply the Lean Supply Chain Guiding Principles:

- Make consumption visible throughout the fulfillment stream
- Reduce lead time to enable pull and reduce inventory
- Create level flow to reduce variation and enable stability
- Use pull systems to reduce complexity and overproduction
- Collaborate, solve problems, and focus on process discipline
- Increase velocity to drive flexibility to meet customer demand
- Lead and make decisions based on total cost of fulfillment



Course

3

## Lean Leadership for the Supply Chain Professional

(Formerly Building the Lean Supply Chain Leader)

May 16-18, 2016 | Atlanta, GA

November 15-17, 2016 | Atlanta, GA

ONLINE

Applies to the  
**Lean Supply Chain  
Professional Certificate**

**Two formats:**   
**In person or online!**

### Build and sustain your lean culture.

While the first two courses in the series focus on strategic and tactical implementation of the lean supply chain, this final course focuses on transforming an organization's culture from traditional to lean thinking. Learn to navigate through the waters of change management to successfully execute and sustain the lean supply chain journey. Upon course completion, you'll be ready to embrace the lean leadership that builds, manages, and sustains a lean organization. This course is also available in a self-paced, online format. *For more information, visit: [www.scl.gatech.edu/blsclonlineCourse](http://www.scl.gatech.edu/blsclonlineCourse)*

### Course Topics

- A deep understanding of lean thinking
- Traditional leadership vs. lean leadership
- Leading with purpose and principles
- Leading with vision – focus, alignment, and constancy of purpose
- Leader as student and teacher
- Advocacy vs. inquiry
- Respect for people
- Process and value-stream thinking
- Management systems and the role of the leader
- Using effective measurement systems
- Reflection
- Time management and lean-leader standard work
- Visual management and “Go See” leadership
- Building teams
- Convincing people on lean thinking and dealing with resistance



#### Book Included:

*People: A Leader's Day-to-Day Guide to Building, Managing, and Sustaining Lean Organizations*

**The U.S. will generate approximately 70,200 logistics-related job openings in the U.S. each year, and nearly 1.1 million by 2016.** *Source: U.S. Department of Labor Report, 2012*

**Close to 3,000 companies critically rely on the efficient flow of freight to operate their business in the state of Georgia.** *Source: Georgia Center of Innovation for Logistics Report, March 2013*



All  
**3**  
Courses

## The Lean Supply Chain Professional Certificate

### The Results-Based Certificate Program

There's no question that successful organizations are embracing lean thinking at all levels. While lean generally begins inside the manufacturing facility, the lean journey eventually extends to the supply base and customers. Lean methodology applies to all elements of the supply chain, including departments like quality, human resources, marketing, finance, purchasing, and distribution.

**SAVE \$930**

when you register for the  
**three-course certificate**

- 1 Lean Essentials for the Supply Chain Professional
- 2 Lean Implementation for the Supply Chain Professional
- 3 Lean Leadership for the Supply Chain Professional

The purpose of this three-course certificate program is to transform the way supply chain professionals think, act, and lead by focusing on problem identification and problem solving at the root of the cause. Participants will complete two lean projects during the time between courses by applying lessons learned during the class. During the next classroom session, participants share an overview of their project's results, allowing them to build individual leadership skills while learning best practices from other attending organizations. This technique strives to guarantee immediate return on investment for all participants completing the program.

**Robert Martichenko** is CEO of LeanCor, LLC. He has many years of supply chain, logistics, and lean implementation experience. This experience includes multiple lean supply chain implementations supporting successful organizations including Toyota Motor Manufacturing.

**Brad Bossence** is the Vice President of Customer Relations for LeanCor Supply Chain Group. Brad has more than 14 years of third party logistics experience with a specific focus in Japanese production system environments such as Toyota USA, Toyota Canada, Toyota Europe, Kubota, Yamaha, Suzuki, and Subaru.

**Ana Bailey** is a Lean Deployment Executive for LeanCor Supply Chain Group. Ana is a Lean Six Sigma Black Belt responsible for the deployment of operational excellence practices within LeanCor's network of customers. Her primary responsibilities are the development and management of LeanCor's body of knowledge and the facilitation of training programs and simulations in Lean, Six Sigma, Supply Chain Management, and Leadership.

### Additional 2016 Georgia Tech Supply Chain and Logistics Courses Include:

- Demand Driven Supply Chain Strategy
- Engineering the Warehouse
- Inventory Planning and Management
- Warehouse/Distribution Center Layout
- Transportation and Distribution Planning
- Material Handling 101: Fundamentals, Analysis and Selection

**Stay updated on all the courses at [pe.gatech.edu/scl/2016](http://pe.gatech.edu/scl/2016)**



## Lean Inbound Logistics

February 17-18, 2016 | Savannah, GA

**Learn the “why” and “how”  
to implement lean logistics  
to support the lean supply chain.**

The efficient flow of inbound materials through your supply chain can have a significant impact on cost, quality, service, and delivery to your customer. With continued pressures from globalization, market volatility, and innovation expectations, companies are extending their reliance on lean principles to outside the four walls of the manufacturing facility. Lean inbound logistics requires strategic coordination to synchronize suppliers, transportation providers and multiple supply chain partners. This course focuses on the why and how to implement lean logistics to support the lean supply chain.

### Course Topics

- Strategic value of lean inbound logistics and total logistics cost
- Getting started – the current state map
- Lean logistics network design – the desired state and planning for implementation
- Material ordering and supplier management
- Lean logistics engineering and transportation management
- Yard control and material receiving
- Implementing, sustaining, and improving

### Learn To:

- Map the current inbound logistics network
- Appreciate the distinct nature of the inbound logistics network as a link to suppliers and manufacturing facilities and part of the overall value chain
- Calculate total logistics costs
- Design a future state network based on lean principles
- Learn techniques in transportation management, supplier management, and materials planning to achieve improved material flow balances and reduced overall costs
- Learn the keys to strategic supplier management
- Understand how lean guiding principles serve as the strategic pathway to lean inbound logistics
- Explore Milk Run development and mode selection

### Pricing

Standard Course Price.....	\$1,450
SCL & GT Alumni/Org. Discount Price.....	\$1,305
Certificate Price Per Course.....	\$1,203.50

**GEORGIA PORTS AUTHORITY**  
Includes a tour of the Port of Savannah!

Applies to the  
**Supply Chain**  
**Management Certificate**

**NEW**



# Lean Warehousing

September 27-29, 2016 | Atlanta, GA

**Manage warehousing efficiently by bringing lean principles into the warehouse and the distribution center.**

Applies to the **Distribution Operations Analysis and Design Certificate**

The ultimate goal of lean thinking is to reduce our reliance on warehousing. However, the fact remains that warehousing and distribution center management is necessary because of extended lead times and unbalanced business process connections. Consequently, we want to manage warehousing as efficiently as possible. To accomplish this goal, we must bring lean principles into the warehouse and the distribution center. This course covers lean principles to help participants reduce waste in warehousing operations by as much as 25%, manage and reduce the flow of inventory, instill disciplined processes, and effectively use visual management.

## Course Topics

- A lean warehouse overview
- Supply chain implementation framework
- Lean storage planning approach
- Application of a lean storage location sizing method
- JIT implementation approach
- How to develop standard work batches
- Generation of an operational diagram
- Creation of a daily operational work load plan
- Development of a progress control board

## Learn To:

- Isolate key elements of lean thinking to be used in the warehouse
- Value stream map warehouse operations
- Utilize lean tools to reduce waste in the warehouse
- Create a warehouse operation based on visual management and real-time problem solving
- Reduce inventories in warehouse operations
- Create collaboration between warehousing and other functional areas

## Pricing

Standard Course Price.....	\$3,000
SCL & GT Alumni/Org. Discount Price.....	\$2,700
Certificate Price Per Course.....	\$2,490

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November 15-17, 2016 | Atlanta, GA

ONLINE

**Register for the entire Certificate  
(all 3 classes) and SAVE \$930**

## Lean Inbound Logistics

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## Lean Warehousing

September 27-29, 2016 | Atlanta, GA

