



## Builders Education & Training Foundation

### 2017 Lean Education Calendar: Units 1-7

Carpenters Training Center, 1256 Estes Ave., Elk Grove Village, IL

Associated General Contractors of America (AGC) developed the Lean Construction Education Program to help its members develop the tools necessary to build lean. Chicagoland construction professionals at all experience levels have taken Lean Education courses through the Builders Education & Training Foundation to acquire the building blocks necessary to transform their projects and companies into lean operating systems. We are pleased to offer ALL 7 UNITS again this year. *After successful completion of all seven units individuals will be eligible to take the Lean Certificate of Management Credentialing Exam.*

**Register today**, as all classes are limited to **20** participants each!

#### **UNIT 1: VARIATION IN PRODUCTION SYSTEMS** *Friday, March 10, 2017 from 7:30 a.m. to 11:30 a.m.*

In the construction process, the work we do is all connected and variation in even one of those processes affects us all. This course provides tools to help participants recognize sources of variation on their own projects, examine variation's effect on operations, and mitigate the effects of variation in their everyday work.

#### **UNIT 2: PULL IN PRODUCTION** *Friday, March 10, 2017 from 12:00 p.m. to 4:00 p.m.*

After completion of this course, participants will have the ability to compare batch-and-queue and continuous-flow production systems, distinguish push systems from pull systems, describe the impact of pull on production systems, and explain pull strategies in construction operations.

#### **UNIT 3: LEAN WORKSTRUCTURING** *Friday, March 24, 2017 from 7:30 a.m. to 11:30 a.m.*

Within construction, we all strive to plan our projects in a way that produces predictable workflow and continuous improvement. This course provides participants with the tools needed to apply Lean Workstructuring principles within The Last Planner® System.

#### **UNIT 4: THE LAST PLANNER® SYSTEM** *Friday, March 24, 2017 from 12:00 p.m. to 4:00 p.m.*

This course shows how to conduct make-ready and weekly work planning sessions. Participants will learn how to apply LPS on a project and how to calculate, track and analyze percent plan completion for a project.

#### **UNIT 5: LEAN SUPPLY CHAIN & ASSEMBLY** *Thursday, April 27, 2017 from 7:30 a.m. to 4:00 p.m.*

Unit 5 will examine the use of lean supply chain practices to eliminate waste through the creation of efficient methods for procurement of materials and equipment and the use of lean assembly practices to find ways of assembling things in the most efficient way possible—either on site or off site.

#### **UNIT 6: LEAN DESIGN & PRECONSTRUCTION** *Friday, April 28, 2017 from 8:00 a.m. to 12:00 p.m.*

Unit 6 will explain the concepts of value-based management, lean in the design process, and relational contracting. Objectives include distinguishing between varying definitions for design, defining value and methods to maximize, and differentiate between traditional project methods and lean design.

#### **UNIT 7: PROBLEM SOLVING PRINCIPLES & TOOLS** *Thursday, May 25, 2017 from 8:00 a.m. to 4:00 p.m.*

The final unit describes the Lean Problem Solving Process and illustrates how to use tools to solve problems in a lean manner.



## 2017 LEAN CONSTRUCTION EDUCATION REGISTRATION FORM

You may enroll online at [www.bldrs.org](http://www.bldrs.org) or submit this completed form:

Company/Organization: \_\_\_\_\_  
Street Address: \_\_\_\_\_ Unit/Suite: \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

**Registrant 1** Name: \_\_\_\_\_ Title: \_\_\_\_\_

Email: \_\_\_\_\_

- |   |  |   |
|---|--|---|
| <input type="checkbox"/> Unit 1: March 10, 7:30 a.m. – 11:30 a.m. | <input type="checkbox"/> \$275 BA/LCI Member | <input type="checkbox"/> \$450 Non-Member |
| <input type="checkbox"/> Unit 2: March 10, 12 p.m. – 4 p.m.       | <input type="checkbox"/> \$275 BA/LCI Member | <input type="checkbox"/> \$450 Non-Member |
| <input type="checkbox"/> Unit 3: March 24, 7:30 a.m. – 11:30 a.m. | <input type="checkbox"/> \$275 BA/LCI Member | <input type="checkbox"/> \$450 Non-Member |
| <input type="checkbox"/> Unit 4: March 24, 12 p.m. – 4 p.m.       | <input type="checkbox"/> \$275 BA/LCI Member | <input type="checkbox"/> \$450 Non-Member |
| <input type="checkbox"/> Unit 5: April 27, 7:30 a.m. – 4:00 p.m.  | <input type="checkbox"/> \$550 BA/LCI Member | <input type="checkbox"/> \$900 Non-Member |
| <input type="checkbox"/> Unit 6: April 28, 8:00 a.m. – 12 p.m.    | <input type="checkbox"/> \$275 BA/LCI Member | <input type="checkbox"/> \$450 Non-Member |
| <input type="checkbox"/> Unit 7: May 25, 8 a.m. – 4:00 p.m.       | <input type="checkbox"/> \$550 BA/LCI Member | <input type="checkbox"/> \$900 Non-Member |

**Registrant 2** Name: \_\_\_\_\_ Title: \_\_\_\_\_

Email: \_\_\_\_\_

- |   |  |   |
|---|--|---|
| <input type="checkbox"/> Unit 1: March 10, 7:30 a.m. – 11:30 a.m. | <input type="checkbox"/> \$275 BA/LCI Member | <input type="checkbox"/> \$450 Non-Member |
| <input type="checkbox"/> Unit 2: March 10, 12 p.m. – 4 p.m.       | <input type="checkbox"/> \$275 BA/LCI Member | <input type="checkbox"/> \$450 Non-Member |
| <input type="checkbox"/> Unit 3: March 24, 7:30 a.m. – 11:30 a.m. | <input type="checkbox"/> \$275 BA/LCI Member | <input type="checkbox"/> \$450 Non-Member |
| <input type="checkbox"/> Unit 4: March 24, 12 p.m. – 4 p.m.       | <input type="checkbox"/> \$275 BA/LCI Member | <input type="checkbox"/> \$450 Non-Member |
| <input type="checkbox"/> Unit 5: April 27, 7:30 a.m. – 4:00 p.m.  | <input type="checkbox"/> \$550 BA/LCI Member | <input type="checkbox"/> \$900 Non-Member |
| <input type="checkbox"/> Unit 6: April 28, 8:00 a.m. – 12 p.m.    | <input type="checkbox"/> \$275 BA/LCI Member | <input type="checkbox"/> \$450 Non-Member |
| <input type="checkbox"/> Unit 7: May 25, 8 a.m. – 4:00 p.m.       | <input type="checkbox"/> \$550 BA/LCI Member | <input type="checkbox"/> \$900 Non-Member |

**Registrant 3** Name: \_\_\_\_\_ Title: \_\_\_\_\_

Email: \_\_\_\_\_

- |   |  |   |
|---|--|---|
| <input type="checkbox"/> Unit 1: March 10, 7:30 a.m. – 11:30 a.m. | <input type="checkbox"/> \$275 BA/LCI Member | <input type="checkbox"/> \$450 Non-Member |
| <input type="checkbox"/> Unit 2: March 10, 12 p.m. – 4 p.m.       | <input type="checkbox"/> \$275 BA/LCI Member | <input type="checkbox"/> \$450 Non-Member |
| <input type="checkbox"/> Unit 3: March 24, 7:30 a.m. – 11:30 a.m. | <input type="checkbox"/> \$275 BA/LCI Member | <input type="checkbox"/> \$450 Non-Member |
| <input type="checkbox"/> Unit 4: March 24, 12 p.m. – 4 p.m.       | <input type="checkbox"/> \$275 BA/LCI Member | <input type="checkbox"/> \$450 Non-Member |
| <input type="checkbox"/> Unit 5: April 27, 7:30 a.m. – 4:00 p.m.  | <input type="checkbox"/> \$550 BA/LCI Member | <input type="checkbox"/> \$900 Non-Member |
| <input type="checkbox"/> Unit 6: April 28, 8:00 a.m. – 12 p.m.    | <input type="checkbox"/> \$275 BA/LCI Member | <input type="checkbox"/> \$450 Non-Member |
| <input type="checkbox"/> Unit 7: May 25, 8 a.m. – 4:00 p.m.       | <input type="checkbox"/> \$550 BA/LCI Member | <input type="checkbox"/> \$900 Non-Member |

### **Payment Information:**

Total Amount Due: \$ \_\_\_\_\_  Check Enclosed (payable to the *Builders Education & Training Foundation*)

Credit Card:  AmEx  Discover  MasterCard  VISA

Card #: \_\_\_\_\_ Expiration Date: \_\_\_\_\_ Sec Code: \_\_\_\_\_

**BUILDERS EDUCATION & TRAINING FOUNDATION**

5440 N. Cumberland Ave. #302, Chicago, IL 60656  
P: 773-444-0465 F: 773-444-0469 [www.bldrs.org](http://www.bldrs.org)

For more information, please contact Stacey Kelly  
(773) 444-0465  
[skelly@bldrs.org](mailto:skelly@bldrs.org)