



## INSTRUCTOR APPLICATION AGC'S LEAN CONSTRUCTION EDUCATION PROGRAM

### UNIT 6: LEAN DESIGN AND PRE-CONSTRUCTION

#### Lean Construction Education Program Overview

The AGC of America Lean Construction Education Program is designed to help construction professionals learn the building blocks necessary to become Lean Champions within their firm, transforming their projects and companies. This series of courses covers a range of topics essential to Lean Construction.

#### Course Overview

*Unit 6: Lean Design and Pre-construction* is a half-day instructor-led course that introduces you to the concepts of value-based management, lean in the design process and relational contracting. The course is divided into three sessions:

Session 1 – Defining Design

Session 2 – Applying Lean in Design

Session 3 – Contractors in Design

#### Course Learning Objectives

Following successful completion of this course, participants will be able to:

- Distinguish between the varying definitions for design.
- Define value and commonly used methods to maximize it.
- Discuss waste and commonly used methods to minimize it.
- Differentiate between traditional project methods and lean design.
- Explain the various lean tools used in design and how to deploy them.

#### Instructor Qualifications

AGC has established the following minimum requirements for instructors. Please check the boxes to note that you meet and/or have complied with each requirement. Use the blank lines to give a short summary and/or examples of your experience. You must check all the boxes in order to qualify as a Unit 6 instructor.

- Have applied lean theory in the design phase of a construction project, and have distinguished between the many definitions of design as part of a cross –functional team.

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- Have obtained a lean mindset of prefabrication and modularization and associated pros and cons. Benefits. Have implemented these ideas as a subcontractor or general contractor.

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- General understanding of tools used to achieve lean design. Have applied the Five Big Ideas fundamental to the development of Lean Project Delivery System (LPDS).

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- Experience with forms of waste, including how to identify and reduce them at both the field and management levels.

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- General experience or participation with involving contractors in the Lean Project Delivery System.

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- Reviewed a copy of the Instructor's Guide and accompanying PowerPoint slides.

- Watched the *Unit 6* instructor orientation video, found at [www.agc.org/LCEP](http://www.agc.org/LCEP).

- Attached a curriculum vitae highlighting your Lean Construction experience.

**Familiarity with Lean Construction Education Program courses**

Instructors should be familiar with the subjects covered in all AGC LCEP courses to avoid unnecessary repetition of the course material. While these are not necessary to become an approved instructor, please check all that apply:

I have:	Lean Construction 101	Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Unit 6
Purchased and reviewed the Participant's Manual							
Purchased and reviewed the Instructor's Guide							
Attended							
Taught							

List any additional training you have participated in that would add to your qualifications to teach *Unit 6*.

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**Instructor Statement of Qualifications**

I have read the statements above regarding the minimum qualifications for instructing this course and I meet those requirements.

Signature \_\_\_\_\_ Date \_\_\_\_\_

Name (please print): \_\_\_\_\_

Title: \_\_\_\_\_

Company name: \_\_\_\_\_

Mailing address: \_\_\_\_\_

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

Lean Construction organization affiliations (if any): \_\_\_\_\_

**AGC of America Staff Contact**

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