



INSTRUCTOR APPLICATION AGC'S LEAN CONSTRUCTION EDUCATION PROGRAM

UNIT 4: THE LAST PLANNER® SYSTEM

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 4: The Last Planner® System is a half-day, instructor-led course that shows how to conduct make-ready and weekly work planning sessions. The course is divided into three sessions:

- Session 1 revisits the LPS and introduces the concept of production planning, as contrasted to project management. We then consider the difference between reactive and proactive control. We also consider the role the commitment – as the term is used in Lean Construction.
- Session 2 delves deeper into the LPS with a focus on the production planning pieces – the six-week look-ahead, the weekly work plan and the daily huddles – showing how each is created. We also look at documenting constraints and calculating the percent plan complete. Finally, we use the five whys to get to the root cause of a failure.
- Session 3 is largely dedicated to a simulation of the LPS using a sample project. A six-week look-ahead schedule is created. The simulation concludes with the weekly work planning meeting. We also look at methods to encourage subcontractor participation in the planning meetings.

Course Learning Objectives

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

- Apply the Last Planner® System on a project;
- Hold make-ready and weekly work planning sessions; and
- Calculate, track and analyze percent plan complete for a project.

Instructor Qualifications

AGC has established the following minimum Lean Construction experience requirements for instructors. Please check the boxes indicated below to note that you have complied with each requirement and give a short summary and/or examples of your experience. You must check all the boxes

- Experience in implementing Lean Construction on several projects as a construction professional.

- Understand lean concepts and terminology, including roles and responsibilities of project team members.

- Experience implementing lean within a construction firm.

- Please list **at least two** construction projects that you have worked on where you used the Last Planner[®] System.

1.

2.

3.

4.

- Reviewed a copy of the Instructor's Guide and accompanying PowerPoint slides.
- Watched the *Unit 4* instructor orientation video, found at 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 Lean Construction Education Program 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 taken the online *Lean Construction 101*
- To familiarize myself with *Unit 1: Variation in Production Systems*, I have:
 - Purchased and reviewed the Participant’s Manual
 - Purchased and reviewed the Instructor’s Guide
 - Attended a *Unit 1* course
 - Taught a *Unit 1* course
- To familiarize myself with *Unit 2: Pull in Production*, I have:
 - Purchased and reviewed the Participant’s Manual
 - Purchased and reviewed the entire Instructor’s Guide packet
 - Attended a *Unit 2* course
 - Taught a *Unit 2* course
- To familiarize myself with *Unit 3: Lean Workstructuring*, I have:
 - Purchased and reviewed the Participant’s Manual
 - Purchased and reviewed the entire Instructor’s Guide packet
 - Attended a *Unit 3* course
 - Taught a *Unit 3* course
- I have attended a *Unit 4* course taught by another instructor.
- List any additional training you have participated in that would add to your qualifications to teach *Unit 4*.

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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