

ONLINE—LIVE SYNCHRONOUS SESSIONS

Lean Six Sigma Green Belt

Course Overview

Lean Six Sigma is a combination of two popular continuous improvement methods—Lean and Six Sigma—that empower organizations to achieve operational excellence through proven problem-solving and continuous-improvement techniques.

In this online course designed for individuals responsible for managing or participating significantly in any business process activities, students will gain the skills needed to encourage a culture of service excellence, continuous improvement and empirically-based decision making. Through live class discussions and online curriculum, participants will learn a systematic method to improve performance and reduce variation in business operations to achieve productivity and profitability gains. Students will also work on, and complete, a real process improvement project that directly impacts their organization's bottom line. By the end of this course, students will possess the knowledge and tools needed to lead process improvement projects that increase quality, consistency, speed and financial savings for their organizations.

Upon successful completion of this course, students will receive a Green Belt Badge, recognized globally as an indicator of master of LSS expertise.

Course Topics

- Introduction: Project Selection, Scoping, Charter
- Define: Project Definition, Introduction to A3
- Measure: Measures for Success, Value Stream Mapping and Waste Identification
- Analyze: Root Cause Validation, Prioritize Efforts
- Improve: Lean Fundamentals, Solution Selection, Risk Assessment, Implementation Plan
- Control: Measuring Improvement, Sustainment Plan, Change Management
- Put it All Together: Project Closure

Course Outcomes

By the end of this course, students will be able to:

- Develop a project charter
- Demonstrate the application of Lean tools to improve a process
- Execute a project using the DMAIC – *Define, Measure, Analyze, Improve, Control* methodology
- Quantify project benefits
- Create an executive summary using an A3

Lean Six Sigma Green Belt – Digital Badge



Your successful completion of this course will earn you a digital credential in the form of a badge. This digital badge, from Credly, acts as recognition of your achievement.

Holding this badge signifies that you have utilized a Lean Six Sigma approach from both a tactical and strategic perspective and applied tools and theories to a specific use-case. It demonstrates your mastery of the subject and demonstrates your commitment to professional development.

This digital badge allows you to share your credentials across various social media platforms. You may also think of other creative ways to share this achievement—you could add it to your email signature or to your résumé.

Time Commitment

Students can expect to spend about 30-40 hours total over the course of the quarter on class meetings, assignments and the final project.

This course includes several live online class meetings that meet on Fridays from 11:30 a.m. to 2 p.m. Students are expected to attend these class meetings and should plan accordingly.

Course Requirements

In order to be eligible to receive the Lean Six Sigma Green Belt digital badge students must:

- Miss no more than 1 live class session
- Pass Knowledge Assessments with score of at least 75%
- Submit all assignments on time
- Complete one project that is approved by the instructor, and demonstrates application of the DMAIC methodology and Lean tools

Withdrawals, Refunds and Transfers

For current policies please review <https://cpe.ucdavis.edu/student-services/withdrawals-refunds-transfers> on the UC Davis Continuing & Professional Education website.