



Lean Six Sigma

SEHG-SV-2956 · Business · approx. 12 min seat time · English · 100% online, self-paced

Accreditation & industry alignments: none verified on record — institutional accreditor mapping pending

COURSE DESCRIPTION

Imagine a realm where business processes are optimized, waste is minimized, and customer expectations are exceeded- this is the world of Lean Six Sigma. Lean Six Sigma is a process improvement methodology that merges the power of Lean and Six Sigma approaches. Lean process, which is based on the principle of continuous improvement, aims to eliminate waste while maximizing value for the customer. On the other hand, Six Sigma is a data-driven approach that focuses on reducing variation and defects in processes, using statistical analysis and problem-solving techniques. Together, Lean Six Sigma has revolutionized the ways organizations operate and succeed, and can be applied to any industry or business process. The Lean Six Sigma course will provide participants with the fundamental principles of Lean Six Sigma, and how to apply them to business processes, reduce waste, and deliver measurable results. Participants will gain an understanding of the DMAIC and DMADV problem-solving approaches, and how to use common Lean Six Sigma tools and concepts, such as Value Stream Mapping and Kaizen, to facilitate process improvements. With the power of Lean Six Sigma, organizations can efficiently streamline their workflow and achieve operational excellence.

WHO THIS COURSE IS FOR

Working professionals, team leads, and career-changers who want practical, job-ready Business skills — no prior coursework required. Teams and organizations can enroll groups for consistent, measurable upskilling.

SKILLS & LEARNING OUTCOMES

Upon completion, the student will be able to:

- Define Lean, Six Sigma, and Lean Six Sigma
- Identify the principles of Lean Six Sigma
- Determine the phases of Six Sigma, using the DMAIC and DMADV frameworks
- Recognize the principles of Lean Manufacturing
- Successfully implement Lean Process and Six Sigma into business practices
- Explore tools and techniques to drive change

WHAT'S INCLUDED

- 1 clock hour(s) of self-paced online learning
- 12 course modules
- 11 instructional videos — 12 minutes of total video runtime
- This syllabus (PDF), downloadable for reference
- Official SEHG Certificate of Completion upon finishing the course
- Language editions: English

Delivered 100% online and self-paced in the SEHG learning platform. This section lists the materials currently delivered for this course.

MODULE MAP

- **Module 1 — Introduction**
 - Course Objectives
- **Module 2 — Module One**
 - Introduction to Lean Six Sigma
 - What is Six Sigma?
 - What is Lean?
 - The History
 - Elements of Lean Six Sigma
 - Who Needs Lean Six Sigma?
- **Module 3 — Module two**
 - Lead Six Sigma Principles
 - Focus on the Customer
 - Find the Root Cause
 - Eliminate Waste to Create Flow
 - Communicate With the Team
 - Flexible and Responsive Environment
- **Module 4 — Module three**
 - The Phases of Six Sigma (DMAIC)
 - Define
 - Measure
 - Analyze
 - Improve
 - Control
- **Module 5 — Module four**
 - The Phases of Six Sigma (DMADV)
 - Define
 - Measure
 - Analyze
 - Design
 - Verify
- **Module 6 — Module five**
 - Waste Management
 - Muda, Muri, Mura
 - The 8 Wastes of Lean
 - Value-Added vs. Non-Value-Added
 - The 5 Laws
 - The Cost of Waste
- **Module 7 — Module six**
 - The Principles of Lean Manufacturing
 - Value
 - Value Stream
 - Flow
 - Pull
 - Perfection
- **Module 8 — Module seven**
 - Project Selection and Management
 - Selecting and Scoping Projects
 - Project Management
 - Kaizen
 - Change Management

- Leadership Skills
- **Module 9 — Module eight**
 - Lean Six Sigma Techniques
 - Brainstorming
 - The 5S System
 - Benchmarking
 - Poka-Yoke
 - Gemba Walk
- **Module 10 — Module nine**
 - Tools to Drive Change
 - Value Stream Mapping
 - Pareto Chart
 - Cause-and-Effect Analysis
 - The 5 Whys
 - Histogram
- **Module 11 — Module ten**
 - Business Advantages
 - Error Reduction
 - Increased Revenue
 - Reduced Costs
 - Customer Loyalty
 - Employee and Team Development
- **Module 12 — Assessment**

COMPLETION & CERTIFICATION

Completion-based: a certificate of completion is issued after all course videos have been viewed.
The certificate of completion is non-credit. This course does not currently carry academic credit or CEUs.

OFFICIAL SEHG CERTIFICATE

Graduates receive the official Synergy University Education Certificate of Completion — issued by the Office of the Registrar with a unique credential ID, shareable to LinkedIn and verifiable online.

Every certificate carries a unique credential ID — verify at:

SynergyEducation.AI/verify

SUPPORT, ACCESS & POLICIES

- Support: CEO@SynergyEducation.AI
- Accessibility: ADA/WCAG 2.1 AA-first delivery; accommodations available on request.
- Academic integrity and refund policies: per SEHG student handbook.

Enroll Today

Tuition per learner (Essentials tier) — enroll online with the course code below.

\$49 · SEHG-SV-2956 · SynergyEducation.AI

Also available: instructor-led workshop kits for teams — in-person training agendas, playbooks, and facilitator materials built on this course. Contact CEO@SynergyEducation.AI.