

Lean Six Sigma Green Belt

Theory & Practical
5 Days



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Course Overview



The lean six sigma green belt training course is a 5-day course that would provide you with an expert-level understanding of the lean six sigma methodology. As your lean six sigma journey begins, you will learn how to measure process performance and identify opportunities for improvement.

The Lean Six Sigma methodology can be applied in almost any area within a company and helps companies improve their processes, products, and services by minimising waste, optimising business resources, and focusing on quality. Through the implementation of lean six sigma techniques, a company can significantly reduce errors and improve efficiencies. This course is designed for any individual looking to apply the methodology to improve processes within an organisation, or for those who currently undertake project management job roles.

Course Content



Day 1

- Lean Six Sigma Fundamentals
- What is Lean Six Sigma?
- Process Flow and Value Stream Mapping
- Muda, Mura and Muri – The three diseases of Processes
- The Seven Wastes
- Voice of the Customer (VoC) and CTQs
- Cost of Poor Quality
- Fundamentals Quiz

Day 2

- Define Phase
- Problem Definition
- Project Selection
- Business Case
- Project Charter
- Measure Phase
- Project Discovery
- Six Sigma Statistics
- Measurement System Analysis
- Process Capability

Course Content



Day 3

- Analyse Phase
- Inferential Statistics
- Correlation and Regression Analysis
- Analyse Phase Quiz

Day 4

- Introduction to Hypothesis Testing
- Improve Phase
- Lean Tools for Improvement
- Implementation Strategies for Improvements
- Control Phase
- Statistical Process Control (SPC)
- Control Charts
- Improve and Control Phases Quiz
- Mock exams

Day 5

- DoE (Design of Experiments)
- Revision and Rework of Mock Exam Questions
- Exam

- The course is compliant with ISO 18404 standards.

Learning outcomes



On completion of the course, you will be able to:

- Understand problem-solving and process improvement methods
- Plan and manage a real Lean Six Sigma DMAIC project
- Identify the elements of Cost of Poor quality and waste in a process
- Structure a measurement system and identify the appropriate metrics to support quantitative process improvement efforts
- Understand root cause analysis and value analysis methods Understand Process Improvement strategies
- Communicate with key stakeholders and drive change in the organisation
- Use many of the common process improvement tools.
- Begin to develop the competencies required by ISO 18404:2015 through knowledge and practice of a series of technical tools

Exam Structure



Your knowledge of Yellow and Green Belt skills, knowledge and competencies will be tested and verified through these exams, as defined by the ISO 18404:2015.

Yellow Belt

- Exam format – Online, Proctored multiple-choice
- Number of questions – 32.
- Duration – 30 minutes.
- Pass mark – 24/32 (65%).

Green Belt

- Exam format – Online, Proctored multiple-choice.
- Number of questions – 40.
- Duration – 40 minutes.
- Pass mark – 30/40 (65%).
- Provisional exam results are provided immediately, and official exam results are provided within 5 working days.

Requirements

- Photo ID (Passport, Driving Licence)
- Laptop or PC with internet connection, Webcam and Microphone
- You must be alone and not have any study materials around you (This will be checked by the examiner, before your exam starts)
- Exams can be taken 24/7, depending on available time slots.

Scheduling for your exam can be booked up to 3-days after registering with ProctorU. Full instructions will be provided upon redeeming your exam voucher.

We recommend taking the CEPAS Lean Six Sigma Green Belt Certification Exam within the first 6 weeks after your course completion date.



Awarded by

Certified Course with the process to gain certification:

- Complete the course
 - Sit an exam at the end of the course – Theory
- Be involved in and complete the case study during the week – Practical

Internationally recognized CEPAS certification meeting the ISO 18404:2015 standard.

ARE ANY FINANCIAL OPTIONS PROVIDED?

- 0% Interest Free payments available.





Career Path?

- Business Analysts
- Project Managers
- Product Line Managers
- Production Supervisors
- Process Improvement Specialist



Questions or comments?

Get in touch!

Phone Number

020 3907 9029

Email Address

info@acudemy.com

Website

www.acudemy.com

