



Lean Six Sigma Green Belt

Duration: 4 days



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Overview

Lean Six Sigma is a management approach to business performance improvement that has blended the two individual specialisms of Lean and Six Sigma.

The focus of Lean is about speed, efficiency and taking waste out of a process. Six Sigma focuses on effectiveness and removal of errors. When combined and implemented properly it can be a powerful management tool that can greatly improve an organisation's performance, by providing a structured approach to resolving problems. Lean Six Sigma can help you to bring about rapid improvements, whether in a manufacturing or service-based context.

A Lean Six Sigma Green Belt can eliminate waste and improve the performance of any business process. This course has been designed to provide participants with a thorough knowledge of the Lean and Six Sigma (LSS) methodologies, tools and principles.

Objectives

The purpose of the Green Belt qualification is to confirm that a participant has sufficient knowledge and understanding of the Lean Six Sigma process improvement methodology and practice to be able to achieve significant improvements in performance and quality, either working as a team member in a large project or working alone as a junior project manager.

Participants will gain the skills to:

- Analyse their organisation's processes to identify the priority issues leading to waste and inefficiency
- Deeply investigate and understand the systemic root causes for these issues
- Understand what process improvement tools are available and how to best apply them to eliminate the source of the problem and drive customer value.

Effective Green Belts are capable of implementing significant change within their organisation. Participants will also learn how to manage people through change, how to lead an improvement project team, and how to engage with enterprise leadership.

The Continuous Improvement Maturity Model will be introduced which charts the necessary changes organisations need to make, to move towards World Class Operational performance (Structured > Managed > Predictable > Capable > World Class).

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Who is this course for?

Mid to senior level professionals who are working in a role that involves the review and improvement of a process and its performance.

Those looking to lead business improvement projects, drive productivity initiatives or other measurable business outcomes.

Prerequisites

The following is required:

1. Lean Six Sigma Yellow Belt Accreditation
OR
2. Comprehensive pre-course work including 20 question quiz. Pre-course work will be sent out 2 weeks in advance of the course (or at time of booking if booking is less than 2 weeks prior to course commencement).

Pre-course preparation timeframe: minimum 4 hours (depending on prior experience).

All participants are required to complete the Goals and Objectives Survey and have a pre-course 15 minute telephone interview with the trainer.

It is also recommended that participants have a **minimum of 3 years** working experience in a professional role and a firm grasp of **applied mathematics and basic statistics**.

Development Units

Participants who have been awarded the Project Management Professional (PMP)[®] credential by the Project Management Institute (PMI)[®] are eligible to earn **28 PDUs** for their participation in this course (17 Technical, 7 Strategic and Business Management and 4 Leadership).

Participants holding any of the Project Management accreditations (CPPP / CPPM / CPPD) are eligible to earn **20 CPDs** for this short course.

Key Topics

- World Class Performance
- Process Improvement Deployment
- Project Management
- Creating a Solid Foundation
- Creating a Continuous Improvement Culture
- Creating Stable and Efficient Processes
- Creating Capable Processes
- Creating World Class Products and Services

The content covered in this course is similar to the content covered in the Yellow Belt course. However, whereas the Yellow Belt covers the basics and provides an overall view of LSS, the Green Belt delves further into the theory and calculations involved, whilst also exploring how to develop reliable, innovative products that meet customer expectations

Course Delivery

Trainers of this course will use a practical delivery approach to provide participants with a 'hands-on', multi-faceted and challenging learning experience. This includes a combination of pre-reading, classroom training, practical exercises and hands on application of the LSS toolkit on a mock operational process.

Courses are facilitated in partnership with OE Partners and can be conducted onsite, at our premises or virtually. All courses can be customised to suit your requirements.

OE Partners are an accredited training organisation with APMG International for Lean Six Sigma Green Belt.

Virtual Training. Our virtual training is streamed live (not pre-recorded) with an accredited trainer in real-time – otherwise referred to as Virtual Instructor Led Training (VILT). Our trainers are based in real training rooms complete with audio visual equipment. We apply best practices incorporating a modular approach with frequent activities, visual engagement, appropriate pace and relevant dynamic learning to add value.

Materials. A comprehensive participant workbook and the *Climbing the Mountain Mindset, Skill Set and Tool Set for Lean Six Sigma Green Belt* textbook (published by LSSA) are provided.

Certification

The course includes the Lean Six Sigma Green belt exam which consists of:

- 60 multiple choice questions
- 63.3% pass mark (38/60)
- 180 minutes duration
- Open book (*Climbing the Mountain LSS Green Belt* textbook permitted, no other materials permitted)
- Calculators permitted

The exam is taken after the course as an **on-line proctored session**. Participants will need to take the on-line exam **within a month of completing the course**.



APMG International administers the Lean Six Sigma Green Belt certification scheme.