



THE UNIVERSITY OF
SYDNEY

Lean Six Sigma Course: Improve Productivity

*Centre for
Continuing Education*



Lean Six Sigma Course: Improve Productivity



Lean Six Sigma combines Lean methodologies with Six Sigma principles to enhance process management, productivity, and quality.

This comprehensive one-day training program introduces you to the fundamental concepts, essential tools, and strategic insights of Lean Six Sigma. You will gain an understanding of key methodologies, frameworks, and toolbox, including the DMAIC (Define, Measure, Analyse, Improve, Control) process, and explore practical applications to streamline operations, reduce waste, and enhance process efficiency. Additionally, you will develop strategic insights to identify and prioritise improvement opportunities that align with organisational goals and deliver measurable results.

By the end of this course, you will have the knowledge and skills needed to drive significant continuous improvement in organisational processes, leading to increased productivity, higher quality, and greater customer satisfaction.



Course duration

1 session, 8 hours total



Time

9am - 5pm



Format

Face-to-face
or
Online in real-time



Dates

Browse available
[course dates](#)

Intended audience

Suitable for anyone interested in continuous improvement, removing wasteful workplace processes, and enhancing operational efficiency, this course is ideal for:

- managers and team leaders
- process improvement specialists
- project managers
- operations managers
- administration staff.



Upon completion

Every participant receives a University of Sydney certificate of completion.



Aims

The aim of this course is to introduce you to Lean Six Sigma and its toolbox, teaching you how to start improvement projects within your organisation, and prioritise these improvements to align with strategic goals. You will also learn to build effective Lean Six Sigma teams, streamline operations, reduce waste, and enhance process efficiency, ultimately leading to improved productivity and quality. You will feel empowered to work with your team to achieve organisational excellence by implementing Lean Six Sigma Continuous improvement principles.



Learning outcomes

By the end of this course, you should be able to:

- foster a team-based culture that encourages respect and creative problem-solving using Lean tools or Six Sigma methodologies
- lead teams in effectively communicating with stakeholders to identify and eliminate waste in processes
- apply Lean tools to create work-based efficiencies
- utilise Six Sigma tools to reduce error rates (Defects per Million Opportunities)
- develop success metrics using both Lean and Six Sigma methodologies
- increase customer satisfaction through improved processes.



Content

Introduction to Lean and Six Sigma

- Operational excellence and continuous improvement
- Lean principles, values, and Muda (waste)
- Overview of Lean Six Sigma concepts
- Importance and benefits of Lean Six Sigma in various industries

Fundamentals of Lean Six Sigma

- Define, Measure, Analyse, Improve, Control (DMAIC) methodology
- PDCA Cycle
- Roles and responsibilities in Lean Six Sigma projects
- Key principles of waste reduction and process improvement (Muda)
- Focus on customer value (Voice of Customer)

Starting a Lean Six Sigma Project

- Project selection and prioritisation
- Process Improvement approaches
- DMAIC 14-step roadmap
- Metrics for determining success with Six Sigma projects
- Management of change

Lean Six Sigma Tools

- 5S
- Root Cause Analysis (RCA) techniques
- Pareto chart
- Flow diagram (process mapping)
- Poka Yoke (avoid)



“Great presenter, who obviously knows a lot about the subject and is happy to tailor details of the course to address specific questions of the attendees.”

Julian Higginson

“Good presentation with relevant comments from a presenter with real knowledge of the subject from a practical background.”

Peter Brown



“Course was well designed to include the theoretical as well as practical components and being able to implement in real-life situation was helpful in understanding the course.”

Yoomee Oh



Delivery style

This course will be delivered through a combination of interactive lectures, hands-on exercises, group discussions, and real-world case studies. You will engage in practical activities to apply Lean Six Sigma tools and techniques, fostering an interactive and collaborative learning environment.

The course will also include opportunities to work on your own improvement projects, receive feedback, and share insights with peers.

Materials

Course materials are distributed electronically.



Organisational training and development

This course can be delivered as a private session for groups, and tailored to meet the needs of your business. Contact us to discuss our range of organisational training solutions.

[Learn more](#)



THE UNIVERSITY OF
SYDNEY

We recognise and pay respect to the Elders and communities – past, present, and emerging – of the lands that the University of Sydney's campuses stand on. For thousands of years they have shared and exchanged knowledges across innumerable generations for the benefit of all.

Empower ambition,
inspire leadership

For more information

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