University of South Australia

Principles of Lean Thinking

Implement and sustain the Lean transformation

By attending this course you will:

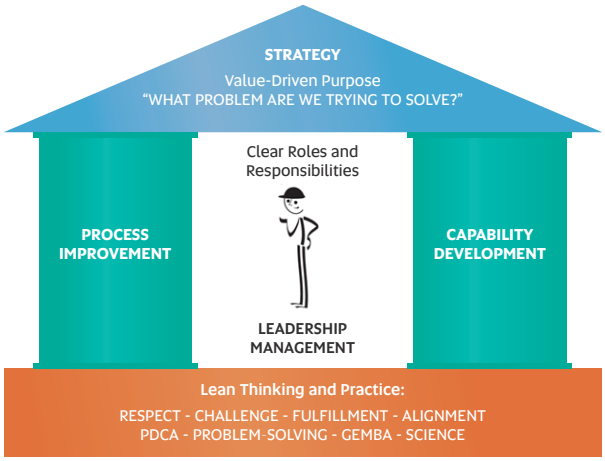
- Develop skills to successfully manage an improvement program across your organisation
- Understand the key elements for achieving sustainable and continuous improvement
- See how other Australian organisations have successfully applied Lean through case studies and a site visit
- Understand the required behaviours, role and facilitation skills of Lean leaders that will engage, align and empower your team in the improvement program and work-based projects
- Learn about the foundation improvement tools and techniques for flow and quality and how they are selected and applied to achieve the best results and outcomes
- Gain an applied understanding of Lean through simulations, exercises, site visits and presentations
- Leave the course with your own project implementation plan and personal "to do" guide
- Receive ongoing support via an Australia-wide network of Lean practitioners

In co-operation with Cardiff University's Business School, Lean Enterprise Australia and the international Lean Global Network, UniSA has developed an expanded Lean Thinking certificate course.

The need for reducing waste and increasing customer value has never been more important. Demands for efficiency and effectiveness in our processes, service and product delivery are becoming more challenging, but necessary for increased capacity and growth.

Designed for the Lean champions, change managers and improvement project facilitators and leaders, this course now includes Australian case studies of successful lean implementations.

Be educated by one of Australia's top Business Schools, recognised as a leading Lean educator, and learn from industry experienced Lean educators and practitioners.



The Lean Transformation Model

At the core of all successful improvement projects is the adoption of a proven Lean implementation framework.

This course enables you to follow The Lean Transformation Model step-by-step through the five dimensions that will result in value creation and improved performance.

Strategic Partnerships
Corporate and Executive Education

www.unisa.edu.au/strategic

Course agenda and topics

Day 1: What is Lean Thinking

- The history of Lean and how it is applied across all industry sectors and processes
- Key Principles of Continuous Improvement
- The key frameworks, systems and models that make up the Lean Body of Knowledge including Lean
- Business, Shingo and Iceberg models
- The Lean Transformation Model

Day 2: Strategy and Process Improvement

Strategy

- Value driven purpose and linking to strategy
- Deploying strategy to the process levels

Process improvement

- How to approach process improvement
- Process improvement simulation rounds one and two

Day 3: Process Improvement and Value Creation

- Customer value
- Value Stream Mapping (VSM) and simulation
- Customer value management
- Identifying the appropriate mapping tools and techniques

Day 4: Process Improvement

Foundation tools

- Workplace organisation
- Visual management
- Standard and stable processes
- Managing by fact
- 5S, TPM, SMED, OEE

Tools for enhancing flow

- Perfect delivery
- Workplace balancing
- TOC, pull, RRS, TAKT

Day 5: Process Improvement

Quality at source

- Building in quality by doing it right first time
- Six sigma and why quality is important
- The DMAIC framework for structured improvement
- Authority to stop
- Error proofing and root cause analysis

Day 6: Capability Development

- Facilitation skills and how to develop the team
- Problem solving and diagnostics
- Leading an improvement project
- Identify the required skill sets
- Developing capabilities

Lean culture and mindset

- The basic beliefs
- What are the required mindsets
- Lean culture development
- Principles of change management

Day 7: Leadership Behaviour and Management Systems

- Leadership characteristics for achieving effective and efficient results
- Roles and responsibilities
- Effective management systems
- Aligning Purpose, Process and People to create value
- Creating process and problem ownership
- Project governance

Day 8: Implementation Pathways

- How to approach the improvement project
- Measurement systems
- Making the improvement project visual
- Kaizen events and how they are best used
- Australian case studies of Lean and CI in action

Day 9: Lean in Action

- Lean tools and techniques reviewed

Site visit

- See Lean in action
- Presentation by Lean facilitators of how they approached their Lean project implementation and the lessons learnt along the way
- Post site visit review

Day 10: Strategy and Planning

- Lean Maturity Assessments
- Issues identification
- SWOT analysis to identify the quick wins
- The Hoshin linkage method
- Assumptions underlying the implementation plan
- The True North

Course administration

Registration: Please complete the on-line registration form at ***unisa.edu.au/strategic/lean-certificate***

Venue: UniSA Business School, City West Campus, Adelaide CBD

Fees: Early Bird discount to $6,500 if registration received before due date otherwise the full fee is $6,950 per person. This workshop is **GST exempt**. A 10% discount on fees for UniSA Alumni.
Further discounts available for group registrations. Credit Card payments available.

Inclusions: All course materials, reference resources, daily catering, refreshments and certification.

Exclusions: Accommodation and travel expenses, if required. Assistance with bookings is available.

Cancellations: Cancellation advice received within 3 weeks of the course start date will receive a full refund. Cancellations within the 3 weeks have the option to provide a substitute participant or transfer the registration to the next course.

For course and registration enquiries please contact Sandra on **08 8302 0801**
or email **sandra.walker@unisa.edu.au**