



Lean Thinking is an approach to operations and supply chain management that is now being applied in a range of sectors, including manufacturing, distribution, service and the public sector.

Lean Thinking focuses on:

- Lead time improvement through the identification and elimination of waste
- Activities that add value for the customer
- The organisation as part of an “extended enterprise” in an integrated supply chain



Principles of Lean Thinking

International Certificate Course

The University of South Australia in association with the Lean Enterprise Research Centre at Cardiff University is delivering the first in a series of internationally acclaimed Lean Certificate Courses. The course will be delivered by Professor Peter Hines and John Bicheno, two of Europe’s leading Lean thinkers, educators, researchers, implementers and authors.

The course is designed to provide participants with a broad understanding of Lean principles, methods and practices to assist in the development of your Lean implementation champions, leaders and managers for business productivity and customer value improvement.

The program was initially introduced in the UK in 2000 and has been continually developed and delivered internationally to include the most up to date Lean thinking, best practice methods, examples, materials, case studies and simulations available today.

The Principles of Lean Thinking course:

- Is structured around core business processes.
- Provides an in-depth appreciation of the lean philosophy and principles and a good working knowledge of key Lean implementation tools.
- Enables the participants to gain a deeper understanding of the issues from networking with experienced researchers, facilitators and fellow lean minded participants.
- Provides a varied delivery approach, with a focus on ‘learning by doing’, and the use of case studies, exercises and sound research.
- Those completing the program will receive a Certificate of Completion based on learning activities and workplace project work between the five day sessions.

The course is suitable for supervisors and managers at all levels in operations, production, logistics, and supply chain, whose organisations are embarking on an improvement transformation. It is applicable to most organisations of any size, in any sector—including manufacturing, services, and process industries.



The Lean Education & Application Network comprises: University of South Australia, Cardiff University, Fraunhofer Institute and the University of Adelaide, in association with the Department of Trade and Economic Development through the South Australian Centre for Innovation.



Agenda

Duration: 2 x 5 Days

When: Session 1 - September 3rd to 7th
Session 2 - December 3rd to 7th

Time: 8.30am to 4.30pm daily

Where: Innovation House Mawson Lakes

Cost: \$4995 per person, numbers limited
(this certificate course does not attract GST)

Contact: 8302 0801 or 8302 0633

Session 1	Agenda 3rd to 7th September
Day 1	Introduction, Understanding the Customer and Forming Strategy
Day 2	Strategy Deployment: The 5 Lean principles; Strategic Context; Policy Deployment; Practical exercises in setting up a Hoshin plan.
Day 3	Value Stream Mapping: Value stream mapping toolkit (Process mapping, big picture mapping); Framework for mapping; Practical mapping exercises - value stream analysis; 7 Wastes.
Day 4	Lean in Sales Acquisition, New Product Development and the Supply Chain: Understanding your Process Architecture ; Addressing Information based Processes ; Mapping Information Based Processes
Day 5	Leading and Sustaining a Lean Program: What to do first ; Pillars or Platforms ; How to Manage a Lean Program ; How to Sustain a Lean Program

Session 2	Agenda 3rd to 7th December
Day 6	Teams and Change Management: Leadership; Teams; Change management; Team working models; Self directed teams; Theories of change in relation to Lean.
Day 7	Quality and 6 Sigma: 7 Tools of quality; The quality gurus; Overview of 6 sigma; Data analysis, 'stratapult' game; Process control and capability.
Day 8	Technology and Equipment: Layout; Organising for TPM; The 7 steps; Uses of OEE; Cell layout and design; Information technology.
Day 9	Flow Scheduling and Pull Systems: Scheduling types; pull systems; Kanban; Heijunka; CON - WIP; Pull scheduling design.
Day 10	Scheduling and Capacity Planning: Using inventory to overcome the obstacles to flow, low inventory environments; Batch sizing and relevance to lead times; Scheduling simulation exercise.

