



## **Diploma Lean Systems – Module Descriptions**

### **AU5041 Lean Thinking & Lean Tools I**

This module will explore the principles, tools and techniques of Lean Thinking. Areas covered include:

- The history of Lean Management
- Value Stream Mapping, waste elimination
- Workplace Organisation & Standard Work techniques
- Rapid Improvement Methodologies
- The role of the supply chain in Lean systems

### **AU5091 Lean Sigma Project Management and Finance**

This module will examine the various processes involved in managing lean projects, from their initiation and planning, to implementation and closure. It will focus on the financial elements of managing a lean project. Areas covered include:

- The relationship between project portfolio management and organizational strategy
- Concepts for developing, tracking and controlling the key constraints within which a project operates
- Sources of project finance and the cost of raising finance to support projects
- The application of investment appraisal techniques to a lean project
- The application of performance measurement techniques such as key performance indicators to lean projects
- The monitoring and control of lean projects using earned value management techniques

### **AU5042 Lean Thinking & Lean Tools II**

This module will expand the principles, tools and techniques introduced in module AU5041.

Areas covered include:

- Organisation Planning Approaches
- Process techniques to support Lean implementation
- Building quality into the manufacturing process
- Bringing the customer into the Lean organisation
- The extended Lean enterprise

### **AU5033 Leadership & Change Management**

This module will examine the interventions available to organisations in managing change and innovation, and in particular the role of leadership. Areas covered include:

- Change management models and their application
- Organisational diagnosis and change management
- The leaders and their role in the organisation
- Stimulating and encouraging change