

# Lean Process and Six Sigma

## Course Overview

This course will introduce students to the lean process and six sigma, including understanding lean, Liker's Toyota way, the TPS house, the five principles of lean business, the first improvement concept (value), the second improvement concept (waste), the third improvement concept (variation), the fourth improvement concept (complexity), the fifth improvement concept (continuous improvement), and the improvement toolkit.

<b><u>Module 01 - Getting Started</u></b>	3m
Getting Started	
<b><u>Module 02 - Understanding Lean</u></b>	7m
Understanding Lean	
Case Study	
<b><u>Module 03 - Liker's Toyota Way</u></b>	7m
Liker's Toyota Way	
Case Study	
<b><u>Module 04 - The TPS House</u></b>	5m
The TPS House	
Case Study	
<b><u>Module 05 - The Five Principles of Lean Business</u></b>	3m
The Five Principles of Lean Business	
Case Study	
<b><u>Module 06 - The First Improvement Concept (Value)</u></b>	3m
The First Improvement Concept (Value)	
Case Study	
<b><u>Module 07 - The Second Improvement Concept (Waste)</u></b>	3m
The Second Improvement Concept (Waste)	
Case Study	
<b><u>Module 08 - The Third Improvement Concept (Variation)</u></b>	3m
The Third Improvement Concept (Variation)	
Case Study	
<b><u>Module 09 - The Fourth Improvement Concept (Complexity)</u></b>	3m
The Fourth Improvement Concept (Complexity)	
Case Study	

**Module 10 - The Fifth Improvement Concept (Continuous Improvement)**

4m

The Fifth Improvement Concept (Continuous Improvement)

Case Study

**Module 11 - The Improvement Toolkit**

4m

The Improvement Toolkit

Case Study

**Total Duration: 45m**