



COURSE MODULES	
Six Sigma and Mini-TAB	<ul style="list-style-type: none">• Six Sigma History and Purpose• The 12 Step Process• Data Types• Introduction to MINITAB• Basic Statistics• Data Collection• Metrics• Graphical Analysis
Define	<ul style="list-style-type: none">• Introduction to Define• Customer Values• Project Select Training• Process Mapping• Cause and effect Tools
Measure	<ul style="list-style-type: none">• Introduction to Measure Phase• FMEA• MSA• Process Capability• Process Capability for Non Normal Data• Review of Define Phase• Review of Measure Phase
Lean	<ul style="list-style-type: none">• Introduction to Lean• 5S and Visual Management• Muda• Introduction to Analyse• The Central Limit Theorem• Confidence Intervals
Hypothesis Tests	<ul style="list-style-type: none">• Introduction to Hypothesis Tests• T Tests• Variance Tests• Proportions Tests• Chi-Square Tests• ANOVA• Common Assumptions• Correlation and Simple Regression• Statistical Regression• Communication



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Review and Improve	<ul style="list-style-type: none">• Presentations• Analyse Phase Review• Constraints Theory• Material• JIT• Statistics Tables
	<ul style="list-style-type: none">• Material Review• JIT Review• Review of Analyse• Introduction to Improve• Introduction to DOE• Full Factorial DOE• Fractional Factorial• Centre Points• Blocking• Power and Sample Size for DOE• Multiple Regression• Bank Labour Hours• Compensation Debate• Implementation of Improvements• Classroom DOE Exercises• Push-Pull• VSM• VSM Simulation• Improve Phase Wrap-Up
	<ul style="list-style-type: none">• Review of Improve• Principles of Robust Design• Introduction to RSM• Central Composite Design• Multiple Response Optimizer
	<ul style="list-style-type: none">• Introduction to Control• Sustaining the Gains• Control Plans• Introduction to SPC• SPC for Variable Data• SPC for Attribute Data• Corporate Quality Initiatives
Control	
Closing	<ul style="list-style-type: none">• Introduction to DFSS• Project Close Out• Course Wrap Up



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