

Lean Six Sigma Green Belt Schedule

July 12-23, 2010

9 a.m. – 12:30 p.m. and 1:30-5 p.m.

Week 1: Lean Methods, Tools and Project Execution	
Day	Topic
Monday, July 12	<ul style="list-style-type: none"> Lean and Six Sigma Introduction Introduction to Strategic Value Processes Role of Lean Six Sigma Green Belt
Tuesday, July 13	<ul style="list-style-type: none"> Creation of a Lean Roadmap Value Focus of Lean Key Performance Indicators for Lean Success
Wednesday, July 14	<ul style="list-style-type: none"> Lean Principles Value Focus Linkage to Six Sigma thru “DMAIC”
Thursday, July 15	<ul style="list-style-type: none"> Value Stream Mapping Identifying Strategic Value via a Strategic Assessment
Friday, July 16 a.m.	<ul style="list-style-type: none"> Why Programs Fail Executing the Lean Program
Friday, July 16 p.m.	<ul style="list-style-type: none"> Lean Exercise – LESAT, VSM, DMAIC Executing the Lean Program Value Process Project Design Week 1 Quiz (due July 18)

Week 2: Integration of Six Sigma Methods, Tools and Approaches	
Day	Topic
Monday, July 19	<ul style="list-style-type: none"> Integration of Lean and Six Sigma Six Sigma Overview The DMAIC problem solving approach Define – choosing and managing six sigma projects
Tuesday, July 20	<ul style="list-style-type: none"> Measure – choosing metrics, establishing a measurement system, collecting data, voice of the customer Analyze – introduction to analytical tools, Pareto analysis, cause and effect analysis Graphical and numerical tools – histograms, box plots, stem and leaf diagrams
Wednesday, July 21	<ul style="list-style-type: none"> The normal and other important distributions Process capability analysis Measurement Systems Analysis Relationships between variables, correlation, regression analysis for two variables
Thursday, July 22	<ul style="list-style-type: none"> Overview of inferential statistics – tests and confidence intervals Improve and Control Statistical Process Control Overview DOX overview
Friday, July 23 a.m.	<ul style="list-style-type: none"> Design for Six Sigma Overview Six Sigma and Lean in Transactional and Service Organizations
Friday, July 23 p.m.	<ul style="list-style-type: none"> Project Planning and Execution Project Report Presentations Week 2 Quiz (Due July 25) Projects Due: August 23