Six Sigma: Green and Black Belt Training Topics

Green Belt Training	Black Belt Training
<u>Week 1- Define/Measure/Analyze</u> - Overview - Metrics - Project Selectio - Thought and Process Mapping - Cause & Effect Matrix - Failure Mode and Effect Analysis - Basic Statistics - Minitab Introduction - Measurement System Evaluation - Control Charts - Process Capability - Teaming Skills <u>Week 2 – Analyze/Improve/Control</u> - Hypothesis Testing - F-Test, T-Test, Chi-Square Test - Components of Variation; Data Collection - Design of Experiments Philosophy - Full Factorial Experiments - Analysis of Variance - Control Plans - Project Reviews - Case Study Presentations	<u>Week 3 – Advanced Analysis and Improve</u> - Design of Experiments Advanced Topics - Fractional Factorial Experiments - Restrictions on Randomization - Destructive Measurement Systems - Analysis of Variance Extensions - Non-Normal Data Analysis - Project Reviews - Case Study Presentations <u>Week 4 – Advanced Analysis and Improve</u> - Taguchi Contributions - Regression (simple and multiple) - Attribute Data Experimentation - Design Augmentation - Center Point Experiments - Response Surface Modeling - Evolutionary Operations - Control Plans - Project Reviews - Case Study Presentations