



Lean Six Sigma Green / Black Belt Training

Measure Phase Course Book Outline

©2010 Process Predictability Management, Inc. All Rights Reserved. Materials may not be copied or reproduced without permission.



On Line Course Outline

- *Measure Phase Overview*
- *Introduction to Math*
- *Introduction to Minitab*
 - **Exercise Minitab First Look (parts 1,2,3,4)**
- *Bottle Case Study*
- *Data Collection*
 - **Exercise Data Collection Plan**
 - **Exercise M&M Data Collection**
 - **Exercise Operational Definition and 2 Factor Attribute Check Sheet**
 - **Minitab Exercise Data Entry and Pareto Analysis**
- *Exam – Math and Data Collection*
- *Basic Statistics*
 - **Minitab Exercise Central Tendency**
 - **Minitab Exercise Dispersion**
 - **Minitab Exercise Impact of Mean and Standard Deviation Changes**
- *Measurement System Analysis (MSA)*
 - **Minitab Exercise MSA for Attributes Data**
 - **Minitab Exercise MSA for Continuous Data**
 - **Minitab Exercise MSA for Measuring Rubber Bands**
- *Exam – Basic Statistics and MSA*

©2010 Process Predictability Management, Inc. All Rights Reserved. Materials may not be copied or reproduced without permission.

Page - 2 -

Lean Six Sigma Green / Black Belt Course Book



On Line Course Outline

- *Descriptive Statistics*
 - Nature of Variation
 - Descriptive Statistics
 - **Minitab Exercise Descriptive Statistics**
 - Histograms
 - **Minitab Exercise Histograms**
 - Individual Measurements Control Charts
 - **Minitab Exercise I-MR Charts**
- *Sampling Plans*
 - **Exercise Discrete Data Sampling**
 - **Exercise Continuous Data Sampling**
- *Machining Case Study*
- *Pareto Analysis*
 - **Minitab Exercise Pareto Analysis**
- *Exam Descriptive Statistics and Sampling*
- *Baselining and Process Sigma*
 - Baseline and Process Sigma
 - **Exercise Process Sigma Continuous Data**
 - **Exercise Process Sigma Discrete Data**
- *Measure Phase Review*
- *Final Exam Measure Phase*
- *Course Completion Certificate*