

Black Belt	Green Belt	Yellow Belt
1.0 DEFINE	1.0 DEFINE	1.0 DEFINE
1.1 Six Sigma Overview 1.1.1 What is Six Sigma 1.1.2 Six Sigma History 1.1.3 Six Sigma Approach $Y = f(x)$ 1.1.4 Six Sigma Methodology 1.1.5 Roles & Responsibilities	1.1 Six Sigma Overview 1.1.1 What is Six Sigma 1.1.2 Six Sigma History 1.1.3 Six Sigma Approach $Y = f(x)$ 1.1.4 Six Sigma Methodology 1.1.5 Roles & Responsibilities	1.1 Six Sigma Overview 1.1.1 What is Six Sigma 1.1.2 Six Sigma History 1.1.3 Six Sigma Approach $Y = f(x)$ 1.1.4 Six Sigma Methodology 1.1.5 Roles & Responsibilities
1.2 The Fundamentals of Six Sigma 1.2.1 Defining a Process 1.2.2 VOC & CTQ's 1.2.3 QFD 1.2.4 Cost of Poor Quality (COPQ) 1.2.5 Pareto Analysis (80:20 rule)	1.2 The Fundamentals of Six Sigma 1.2.1 Defining a Process 1.2.2 VOC & CTQ's 1.2.3 QFD 1.2.4 Cost of Poor Quality (COPQ) 1.2.5 Pareto Analysis (80:20 rule)	1.2 The Fundamentals of Six Sigma 1.2.1 Defining a Process 1.2.2 VOC & CTQ's 1.2.3 QFD 1.2.4 Cost of Poor Quality (COPQ) 1.2.5 Pareto Analysis (80:20 rule)
1.3 Lean Six Sigma Projects 1.3.1 Six Sigma Metrics 1.3.2 Business Case & Charter 1.3.3 Project Team Selection 1.3.4 Project Risk Management 1.3.5 Project Planning	1.3 Lean Six Sigma Projects 1.3.1 Six Sigma Metrics 1.3.2 Business Case & Charter 1.3.3 Project Team Selection 1.3.4 Project Risk Management 1.3.5 Project Planning	1.3 Lean Six Sigma Projects 1.3.1 Six Sigma Metrics 1.3.2 Business Case & Charter 1.3.3 Project Team Selection 1.3.4 Project Risk Management 1.3.5 Project Planning
1.4 Lean Fundamentals 1.4.1 Lean & Six Sigma 1.4.2 History of Lean 1.4.3 The Seven Deadly Muda 1.4.4 Five-S (5S)	1.4 Lean Fundamentals 1.4.1 Lean & Six Sigma 1.4.2 History of Lean 1.4.3 The Seven Deadly Muda 1.4.4 Five-S (5S)	1.4 Lean Fundamentals 1.4.1 Lean & Six Sigma 1.4.2 History of Lean 1.4.3 The Seven Deadly Muda 1.4.4 Five-S (5S)
2.0 MEASURE	2.0 MEASURE	2.0 MEASURE
2.1 Process Definition 2.1.1 Cause & Effect Diagrams 2.1.2 Cuse & Effects Matrix 2.1.3 Process Mapping 2.1.4 FMEA: Failure Modes & Effects Analysis 2.1.5 Theory of Constraints	2.1 Process Definition 2.1.1 Cause & Effect Diagrams 2.1.2 Process Mapping 2.1.3 X-Y Diagram 2.1.4 FMEA: Failure Modes & Effects Analysis 2.1.5 Theory of Constraints	2.1 Process Definition 2.1.1 Cause & Effect Diagrams 2.1.2 Process Mapping 2.1.3 X-Y Diagram 2.1.4 FMEA: Failure Modes & Effects Analysis 2.1.5 Theory of Constraints
2.2 Six Sigma Statistics 2.2.1 Basic Statistics 2.2.2 Descriptive Statistics 2.2.3 Distributions & Normality 2.2.4 Graphical Analysis	2.2 Six Sigma Statistics 2.2.1 Basic Statistics 2.2.2 Descriptive Statistics 2.2.3 Distributions & Normality 2.2.4 Graphical Analysis	2.2 Six Sigma Statistics 2.2.1 Basic Statistics 2.2.2 Descriptive Statistics 2.2.3 Distributions & Normality 2.2.4 Graphical Analysis
2.3 Measurement System Analysis 2.3.1 Precision & Accuracy 2.3.2 Bias, Linearity & Stability 2.3.3 Gage R&R 2.3.4 Variable & Attribute MSA	2.3 Measurement System Analysis 2.3.1 Precision & Accuracy 2.3.2 Bias, Linearity & Stability 2.3.3 Gage R&R 2.3.4 Variable & Attribute MSA	2.3 Measurement System Analysis 2.3.1 Precision & Accuracy 2.3.2 Bias, Linearity & Stability 2.3.3 Gage R&R 2.3.4 Variable & Attribute MSA
2.4 Process Capability 2.4.1 Capability Analysis 2.4.2 Concept of Stability 2.4.3 Attribute & Discrete Capability 2.4.4 Monitoring Techniques	2.4 Process Capability 2.4.1 Capability Analysis 2.4.2 Concept of Stability 2.4.3 Attribute & Discrete Capability 2.4.4 Monitoring Techniques	2.4 Process Capability 2.4.1 Capability Analysis 2.4.2 Concept of Stability 2.4.3 Attribute & Discrete Capability 2.4.4 Monitoring Techniques
3.0 ANALYZE	3.0 ANALYZE	3.0 CONTROL
3.1 Patterns of Variation 3.1.1 Multi-Vari Analysis 3.1.2 Classes of Distributions	3.1 Inferential Statistics 3.1.1 Understanding Inference 3.1.2 Sampling Techniques & Uses 3.1.3 Sample Size 3.1.4 Central Limit Theorem	3.1 Lean Controls 3.1.1 Control Methods for 5S 3.1.2 Kanban 3.1.3 Poka-Yoke (Mistake Proofing)
3.2 Inferential Statistics 3.2.1 Understanding Inference 3.2.2 Sampling Techniques & Uses 3.2.3 Sample Size 3.2.4 Central Limit Theorem	3.2 Hypothesis Testing 3.2.1 Goals of Hypothesis Testing 3.2.2 Statistical Significance 3.2.3 Risk; Alpha & Beta 3.2.4 Types of Hypothesis Test	3.2 Six Sigma Control Plans 3.2.1 Cost Benefit Analysis 3.2.2 Elements of the Control Plan 3.2.3 Elements of the Response Plan
3.3 Hypothesis Testing 3.3.1 Goals of Hypothesis Testing 3.3.2 Statistical Significance 3.3.3 Risk; Alpha & Beta 3.3.4 Types of Hypothesis Test	3.3 Hypothesis Testing: Normal Data 3.3.1 1 & 2 sample t-tests 3.3.2 1 sample variance 3.3.3 One Way ANOVA	
3.4 Hypothesis Testing: Normal Data 3.4.1 1 & 2 sample t-tests 3.4.2 1 sample variance 3.4.3 One Way ANOVA	3.4 Hyp Testing: Non-Normal Data 3.4.1 Mann-Whitney & Mood's Median 3.4.2 Kruskal-Wallis 3.4.3 Moods Median 3.4.4 Friedman 3.4.5 1 Sample Sign 3.4.6 1 Sample Wilcoxon 3.4.7 1 and 2 Sample Proportion 3.4.8 Chi-Squared (Contingency Tables) 3.4.9 Test of Equal Variances	
3.5 Hyp Testing: Non-Normal Data 3.5.1 Mann-Whitney & Mood's Median 3.5.2 Kruskal-Wallis 3.5.3 Moods Median 3.5.4 Friedman 3.5.5 1 Sample Sign 3.5.6 1 Sample Wilcoxon 3.5.7 1 and 2 Sample Proportion	4.0 IMPROVE	

Black Belt	Green Belt	Yellow Belt
3.5.8 Chi-Squared (Contingency Tables)	4.1 Simple Linear Regression	
3.5.9 Test of Equal Variances	4.1.1 Correlation	
4.0 IMPROVE	4.1.2 X-Y Diagram	
4.1 Simple Linear Regression	4.1.3 Regression Equations	
4.1.1 Correlation	4.1.4 Residuals Analysis	
4.1.2 X-Y Diagram	4.2 Multiple Regression Analysis	
4.1.3 Regression Equations	4.2.1 Non-Linear Regression	
4.1.4 Residuals Analysis	4.2.2 Multiple Linear Regression	
4.2 Multiple Regression Analysis	4.2.3 Confidence Intervals	
4.2.1 Non-Linear Regression	4.2.4 Residuals Analysis	
4.2.2 Multiple Linear Regression	5.0 CONTROL	
4.2.3 Confidence Intervals	5.1 Lean Controls	
4.2.4 Residuals Analysis	5.1.1 Control Methods for 5S	
4.2.5 Data Transformation, Box Cox	5.1.2 Kanban	
4.2.6 Stepwise Regression	5.1.3 Poka-Yoke (Mistake Proofing)	
4.2.7 Logistic Regression	5.2 Statistical Process Control (SPC)	
4.3 Designed Experiments	5.2.1 Data Collection for SPC	
4.3.1 Experiment Objectives	5.2.2 I-MR Chart	
4.3.2 Experimental Methods	5.2.3 Xbar-R Chart	
4.3.3 DOE Design Considerations	5.2.4 U Chart	
4.4 Full Factorial Experiments	5.2.5 P Chart	
4.4.1 2k Full Factorial Designs	5.2.6 NP Chart	
4.4.2 Linear & Quadratic Models	5.2.7 X-S chart	
4.4.3 Balanced & Orthogonal Designs	5.2.8 CumSum Chart	
4.4.4 Fit, Model & Center Points	5.2.9 EWMA Chart	
4.5 Fractional Factorial Experiments	5.2.10 Control Methods	
4.5.1 Designs	5.2.11 Control Chart Anatomy	
4.5.2 Confounding Effects	5.2.12 Subgroups, Variation, Sampling	
4.5.3 Experimental Resolution	5.2.13 Center Line & Control Limits	
5.0 CONTROL	5.3 Six Sigma Control Plans	
5.1 Lean Controls	5.3.1 Cost Benefit Analysis	
5.1.1 Control Methods for 5S	5.3.2 Elements of the Control Plan	
5.1.2 Kanban	5.3.3 Elements of the Response Plan	
5.1.3 Poka-Yoke (Mistake Proofing)		
5.2 Statistical Process Control (SPC)		
5.2.1 Data Collection for SPC		
5.2.2 I-MR Chart		
5.2.3 Xbar-R Chart		
5.2.4 U Chart		
5.2.5 P Chart		
5.2.6 NP Chart		
5.2.7 X-S chart		
5.2.8 CumSum Chart		
5.2.9 EWMA Chart		
5.2.10 Control Methods		
5.2.11 Control Chart Anatomy		
5.2.12 Subgroups, Variation, Sampling		
5.2.13 Center Line & Control Limits		
5.3 Six Sigma Control Plans		
5.3.1 Cost Benefit Analysis		
5.3.2 Elements of the Control Plan		
5.3.3 Elements of the Response Plan		