

AGENDA



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Week 1: Six Sigma Black Belt

Day One

- Course Overview
- Introduction: Why Six Sigma?
- Overview: DMAIC – The Process Improvement Method
- Soft Skills: Meeting Skills
- Soft Skills: Communication Skills

Day Two

- Define Module 1.0: Define Overview
- Define Module 1.1: Starting Your Project
- Define Module 1.2: Process Basics
- Define Module 1.3: Understanding the Voice of the Customer
- Define Module 1.9: Define Review

Day Three

- Measure Module 2.0: Measure Overview
- Measure Module 2.1: Data Collection
- Measure Module 2.2: Data Analysis I: Identifying Patterns Over Time

Day Four

- Measure Module 2.2: Data Analysis I: Identifying Patterns Over Time (cont.)
- Measure Module 2.3: Data Analysis II: Looking For Patterns Not Related to Time
- Measure Module 2.4: Determining Process Sigma

Day Five

- Measure Module 2.4: Determining Process Sigma (cont.)
- Measure Module 2.5: Process Analysis
- Measure Module 2.9: Measure Review
- Measure Module 8.1: Project Documentation

Week 2: Six Sigma Black Belt	
Day One	
	Introduction
	Class Presentations
	Soft Skills: Facilitating Discussions
	Soft Skills: Facilitating Decision Making
	Soft Skills: Group Dynamics
Day Two	
	Soft Skills: Understand Conflict
	Soft Skills: Intervention
	Analyze Module 3.0: Analyze Overview
	Analyze Module 3.1: Identifying Potential Causes
	Analyze Module 3.2: Verifying Causes
	Analyze Module 3.9: Analyze Review
	Improve Module 4.0: Improve Overview
	Improve Module 4.1: Generating and Selecting Solutions
Day Three	
	Improve Module 4.1: Generating and Selecting Solutions (cont.)
	Improve Module 4.2: Implementing Solutions
	Improve Module 4.3: Evaluating Results
	Improve Module 4.9: Improve Review
Day Four	
	Control Module 5.0: Control Overview
	Control Module 5.1: Standardization Methods and Training
	Control Module 5.2: Process Monitoring and Control
	Control Module 5.3: Communication and Future Plans
	Control Module 5.9: Control Review
Day Five	
	Review of DMAIC

Week 3: Six Sigma Black Belt	
Day One	
	Introduction
	Storyboard Gallery
	Introduction to MiniTab or SPCXL 2000
	Analysis: Normal Theory
Day Two	
	Analysis: Normal Theory (cont.)
	Analysis: Advanced Process Sigma
Day Three	
	Analysis: Test of Hypothesis: Making Comparisons
	Analysis: Advanced Control Charts
Day Four	
	Analysis: Advanced Control Charts (cont.)
Day Five	
	Analysis: Improving Measurement Systems

Week 4: Six Sigma Black Belt	
Day One	
	Introduction
	Project Presentations
	Week 3 Quiz
	Analysis: Regression Analysis
Day Two	
	Analysis: Regression Analysis (cont.)
Day Three	
	Analysis: Regression Analysis (cont.)
	Analysis: Sampling
	Analysis: Design of Experiments
Day Four	
	Analysis: Design of Experiments (cont.)
Day Five	
	Analysis: Design of Experiments (cont.)
	Case Study: Advanced Tools Review