

Week 1: Black Belt – DMAIC Manufacturing

Day One

	Course Overview
	Introduction: Why Six Sigma?
	Overview: DMAIC – The Process Improvement Method
	Define Module 1.0: Define Overview
	Define Module 1.1: Starting Your Project
	Define Module 1.2: Process Basics
	Soft Skills: Meeting Skills

Day Two

	Soft Skills: Meeting Skills (cont.)
	Define Module 1.3: Understanding the Voice of the Customer
	Define Module 1.9: Define Review
	Measure Module 2.0: Measure Overview

Day Three

	Measure Module 2.0: Measure Overview (cont.)
	Measure Module 2.1: Data Collection

Day Four

	Measure Module 2.1: Data Collection (cont.)
	Soft Skills: Communication Skills

Day Five

	Measure Module 2.1: Data Collection (cont.)
	Soft Skills: Facilitating Discussions
	Project Skills: Project Documentation

Week 2: Black Belt – DMAIC Manufacturing	
Day One	
	Introduction
	Class Presentations
	Measure Module 2.2: Data Analysis I: Identifying Patterns Over Time
Day Two	
	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
	Soft Skills: Facilitating Decision Making
	Measure Module 2.4: Determining Process Sigma
Day Three	
	Measure Module 2.4: Determining Process Sigma
	Measure Module 2.5: Process Analysis
Day Four	
	Measure Module 2.5: Process Analysis (cont.)
	Measure Module 2.9: Measure Review
	Analyze Module 3.0: Analyze Overview
	Analyze Module 3.1: Identifying Potential Causes
	Analyze Module 3.2: Verifying Causes
Day Five	
	Analysis: Normal Theory
	Analysis: Hypothesis Testing

Week 3: Black Belt – DMAIC Manufacturing	
Day One	
	Introduction
	Project Presentations
	Analysis: Hypothesis Testing (cont.)
	Analysis: Intervention
Day Two	
	Analysis: Regression Analysis I
	Soft Skills: Group Dynamics
Day Three	
	Analysis: Regression Analysis I (cont.)
	Soft Skills: Understanding Conflict
	Analysis: Regression Analysis II
	Analysis: Design of Experiments
Day Four	
	Analyze Design of Experiments (cont.)
Day Five	
	Analysis: Design of Experiments (cont.)
	Analysis: Module 3.9: Analyze to Identify Causes Review
	Improve: Module 4.0: Improve Overview
	Improve: Module 4.1: Generating and Selecting Solutions

Week 4: Black Belt – DMAIC Manufacturing	
Day One	
	Introduction
	Project Presentations
	Improve: Module 4.1B: Generating and Selecting Solutions
Day Two	
	Improve: Module 4.1B: Generating and Selecting Solutions (cont.)
	Improve: Module 4.2: Implementing Solutions
Day Three	
	Improve: Module 4.2: Implementing Solutions (cont.)
	Improve: Module 4.3: Evaluating Results
	Improve: Module 4.9: Implement Solutions & Evaluate Results Review
	Control: Module 5.0: Control Overview
	Control: Module 5.1: Standardization: Methods and Training
	Control: Module 5.2: Process Monitoring & Control
Day Four	
	Control: Module 5.2: Process Monitoring & Control (cont.)
	Control: Module 5.3: Communication and Future Plans
	Control: Module 5.9: Standardize & Make Future Plans Review
Day Five	
	Case Study