

## Six Sigma Green Belt - Detailed Course topics by Day

Day	Topic	Description / Topic
1	Certification Overview	Class Introductions and ME Overview
		Greenbelt Certification Overview / BOK
		Greenbelt Project Plan Overview
	Six Sigma Goals	Six Sigma Introduction and History
		Exercises
2	Lean & DFSS	Lean Manufacturing Principles
		Theory of Constraints
		Design for Six Sigma
		Exercises
	Define - Teams and Customers	Process management
		Team performance
		Exercises
3	Define - Tools, Projects, and Results	Project Management
		Six Sigma Metrics
		FMEA
		Exercises
4	Measure - Data and Process Analysis	Process Analysis
		Collecting data
		Display Data and Analyze
		Exercises
		Project Mentoring
5	Measure - Probability	Probability and Statistics
		Probability Distributions
		Decision Distributions
		Exercises
		Project Mentoring
6	Capability & Measurement	Measurement System Analysis
		Process Capability
		Exercises
		Project Mentoring
7	Analyze	Exploratory Data Analysis
		Hypotheses Testing
		QCI Exercises
		Project Mentoring
8	Improvement Techniques	Design of Experiments (DOE)
		Implement and Validate Solutions
		QCI Exercises
		Project Mentoring
9	Control Concepts	Statistical Process Control (SPC)
		Control Plans
		QCI Exercises
		Project Results Presentation(s)
10	Control Concepts	Project Results Presentation(s)
		Certification Planning & Coaching