




GoLeanSixSigma.com Course Outlines & Comparison - 2019

	White Belt	Yellow Belt	Green Belt	Black Belt	Lean
Training Cost	FREE	FREE	\$999.00	\$1,999.00	\$449.00
Certification Cost	\$99.00	\$299.00	Included	Included	Included
Estimated Completion Time	1 Hour	1 Day / 10 Hours	4 Days / 32 Hours	6 Days / 48 Hours	2 Days / 19 Hours
Learning Management System	Y	Y	Y	Y	Y
Training	Online, Self-Paced	Online, Self-Paced	Online, Self-Paced	Online, Self-Paced	Online, Self-Paced
Certification	Online, 20 Multiple Choice Questions	Online, 50 Multiple Choice Questions	Online, 130 Multiple Choice Questions	Online, 185 Multiple Choice Questions, Project and Elective	Online, 100 Multiple Choice Questions
Project Required	N	N	N	Y	N
Coaching	Optional	Optional	Optional	Included	Optional
Statistical Software	Optional	Optional	Optional	Optional	Optional
CEUs	0.1 CEU	1 CEU	3.2 CEUs	15.4 CEUs	1.9 CEUs
PDUs	1 PDU	10 PDUs	32 PDUs	154 PDUs	19 PDUs
					
Concept/Tool					
INTRODUCTION PHASE					
What is Lean Six Sigma?	Y	Y	Y	N	Lean Only
History of Lean	N	N	N	N	Y
Benefits of Lean Six Sigma	Y	Y	Y	N	Lean Only
Who Uses Lean Six Sigma?	Y	Y	Y	N	Lean Only
Lean Six Sigma Roles	Y	Y	Y	N	N
The 8 Wastes	Y	Y	Y	N	Y
PDCA Overview	N	N	Y	Y	Y
PDCA (Expanded)	N	N	N	N	Y
DMAIC Overview	Y	Y	Y	Y	N
Project Selection	N	N	Y	Y	N
Project Selection Facilitation	N	N	N	Y	N
Strategic Alignment With Project Selection	N	N	N	Y	N
The Road to Black Belt Certification	N	N	N	Y	N
Black Belt As Coach	N	N	N	Y	N
Build Leadership Skills	N	N	N	Y	N
Purpose and Project Work	N	N	N	Y	N
Influence Strategies	N	N	N	Y	N
Facilitation of High-Performing Teams	N	N	N	Y	N
DEFINE PHASE					
Project Charter	N	Y	Y	Y	N

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Problem/Opportunity Statement	N	Y	Y	Y	N
Goal Statement	N	Y	Y	Y	N
Customer Value	N	N	Y	N	Y
Kano Analysis	N	N	Y	N	N
Affinity Analysis	N	N	Y	Y	N
Tree Diagram	N	N	Y	N	N
Voice Of the Customer (VOC) Translation Matrix	N	Y	Y	Y	N
Process (Gemba) Walks	N	N	Y	Y	Y
Process (Gemba) Walk Facilitation	N	N	N	Y	N
Organizational Level Process Map	N	N	Y	N	Y
SIPOC (High Level Process Map)	N	Y	Y	Y	N
Value Stream Map	N	N	Y	N	Y
Swimlane Map	N	N	Y	N	Y
Spaghetti Map	N	N	Y	N	Y
Communication Plan	N	N	Y	Y	Y
A3	N	N	Y	N	Y
A3 Coaching	N	N	N	N	Y
A3 and PDCA	N	N	N	N	Y
Stakeholder Analysis	N	N	Y	Y	Y
Relationship Map	N	N	Y	Y	Y
Threats & Opportunities Matrix	N	N	Y	N	N
Meeting Productivity	N	N	Y	N	Y
Ground Rules	N	N	Y	N	N
RACI Matrix	N	N	Y	N	N
Team Dynamics (Alignment Model)	N	N	Y	Y	N
Plus Deltas	N	N	Y	N	N
Strengthen Leadership Skills	N	N	N	Y	N
Coach Approach - Socratic Method	N	N	N	Y	N
Influence Strategies - Build Ownership	N	N	N	Y	N
Facilitation Skills - Make Meetings Work	N	N	N	Y	N
MEASURE PHASE					
Selecting Measures	N	Y	Y	Y	N
Lean Metrics	N	N	Y	N	Y
Value Stream Definitions	N	N	Y	N	Y
Measuring Customer Demand (Takt Time)	N	N	Y	N	Y
Data Types	N	N	Y	Y	Y

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Basic Statistical Terms	N	N	Y	Y	N
P Value	N	N	N	Y	N
Normality and Distributions	N	N	N	Y	N
Anderson-Darling Test for Normality	N	N	N	Y	N
Data Collection Planning	N	Y	Y	Y	N
Operational Definitions	N	Y	Y	Y	N
Stratification	N	N	Y	Y	N
Check Sheets	N	N	Y	N	N
Sampling	N	N	Y	Y	N
Sampling Strategy	N	N	N	Y	N
Sampling Calculations	N	N	N	Y	N
Measurement Systems Analysis	N	N	Y	Y	N
Gage R&R - Continuous (MSA)	N	N	N	Y	N
Gage R&R - Discrete (MSA)	N	N	N	Y	N
Capturing Baseline Data	N	Y	Y	Y	N
Baseline Measures - Sigma, DPMO, DPU, Percent Defective, Yield, Rolled Throughput Yield	N	N	Y	Y	N
Process Capability (Cpk, etc.)	N	N	N	Y	N
Cost of Poor Quality (COPQ)	N	N	Y	N	N
Coach Approach - Balanced Feedback	N	N	N	Y	N
Influence Strategies - Future Press Release	N	N	N	Y	N
Facilitation Skills - Decision Making	N	N	N	Y	N
ANALYZE PHASE					
Process Analysis	N	Y	Y	Y	Y
Rework Loops	N	Y	Y	Y	Y
Redundancies	N	Y	Y	Y	Y
Bottlenecks	N	Y	Y	Y	Y
Inspections & Decisions	N	Y	Y	Y	Y
Handoffs	N	Y	Y	Y	Y
Value Stream Map Analysis	N	N	Y	Y	Y
Value-Add Flow Analysis	N	N	Y	Y	Y
Conduct Data Analysis	n	N	Y	Y	Y
Histograms	N	Y	Y	Y	Y
Pie & Bar Charts	N	N	Y	Y	N
Pareto Charts	N	Y	Y	Y	Y
Run Charts	N	N	Y	Y	N
Box Plots	N	N	Y	Y	N
The 5 Whys	N	Y	Y	Y	Y

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The Fishbone Diagram	N	Y	Y	Y	Y
Develop a Hypothesis	N	Y	Y	Y	N
Null & Alternative Hypothesis Statements	N	N	N	Y	N
Practical Problem and Statistical Problem	N	N	N	Y	N
Confirm Hypothesis With Data	N	Y	Y	Y	N
Confirmation by Observation & Turning Off/On Root Cause	N	N	Y	N	N
Lay Hypothesis Testing Groundwork	N	N	N	Y	N
Test Discrete Data	N	N	N	Y	N
1-Proportion	N	N	N	Y	N
2-Proportion	N	N	N	Y	N
Chi-Square Test	N	N	N	Y	N
Test Continuous Normal Data	N	N	N	Y	N
Test for Two Variances (F-Test)	N	N	N	Y	N
Bartlett's Test	N	N	N	Y	N
One-Sample T-Test	N	N	N	Y	N
Two-Sample T-Test	N	N	N	Y	N
1-Way ANOVA Test	N	N	N	Y	N
Test Continuous Non-Normal Data	N	N	N	Y	N
Levene's Test	N	N	N	Y	N
One-Sample Sign Test	N	N	N	Y	N
Mann-Whitney Test	N	N	N	Y	N
Moods-Median Test	N	N	N	Y	N
Test Correlation	N	N	N	Y	N
Regression Test	N	N	N	Y	N
Scatter Plot	N	N	Y	Y	N
Multiple Regression Test	N	N	N	Y	N
Coach Approach - Guide Hypothesis Testing	N	N	N	Y	N
Influence Strategies - Opt-Out Techniques	N	N	N	Y	N
Facilitation Skills - Help/Hinder	N	N	N	Y	N
IMPROVE PHASE					
Team Member Review	N	N	Y	N	N
Brainstorming Solutions	N	N	Y	N	N
Analogy	N	N	Y	N	N
Anti-Solution	N	N	Y	N	N
Brain-Writing	N	N	Y	N	N
Chanelling	N	N	Y	N	N
Design of Experiments (DOE)	N	N	N	Y	N

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DOE - One Factor At a Time	N	N	N	Y	N
DOE - Two Factorial	N	N	N	Y	N
DOE - Full Factorial	N	N	N	Y	N
Lean Principles - Value, Flow, Pull, Perfection	N	Y	Y	N	Y
Create Flow	N	Y	Y	N	Y
Batch Size Reduction	N	Y	Y	N	Y
Single Piece Flow	N	N	Y	N	Y
Changeover Reduction (SMED)	N	N	Y	N	Y
Work Cell Design	N	N	Y	N	Y
Workload Balancing and Demand Levelling	N	N	Y	N	Y
Cross-Training	N	Y	Y	N	Y
Parallel Processing	N	Y	Y	N	N
Kanbans & Supermarkets	N	N	Y	N	Y
Standard Work	N	Y	Y	N	Y
Standard Work Worksheet	N	N	Y	N	N
5S	N	Y	Y	N	Y
Future State Map	N	N	Y	Y	Y
Future State Value Stream Map	N	N	Y	N	Y
Impact Effort Matrix	N	N	Y	Y	N
Weighted Criteria Matrix	N	N	Y	N	N
Solution Selection Matrix	N	N	Y	N	Y
FMEA (Failure Modes & Effects Analysis)	N	N	Y	N	N
Mistake-Proofing (Poka-yoke)	N	Y	Y	N	Y
Visual Management	N	Y	Y	Y	Y
Andons	N	N	Y	N	N
Kanban Boards	N	N	Y	N	N
Task Boards	N	N	Y	N	Y
Rapid Improvement Event (Kaizen)	N	N	Y	N	Y
Quick Wins	N	N	Y	N	Y
Pilot the Solution	N	N	Y	N	Y
Multi-Phase Implementation	N	N	Y	N	Y
Full-Scale Rollout	N	N	Y	N	N
Implementation Plan	N	N	Y	Y	N
Coach Approach - Solving for Root Cause	N	N	N	Y	N
Influence Strategies - Building Networks	N	N	N	Y	N
Facilitation Skills - Using Failure and LCS	N	N	N	Y	N
Build a Lean Culture	N	N	N	N	Y

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CONTROL PHASE					
Monitoring & Response Plan	N	Y	Y	Y	N
Select Control Charts	N	N	Y	Y	
I & MR Chart	N	N	Y	Y	
X-Bar & R Average and Range Chart	N	N	N	Y	
X-Bar & S Average and Standard Deviation Chart	N	N	N	Y	
P Chart	N	N	Y	Y	
nNP Chart	N	N	N	Y	
C Chart	N	N	N	Y	
U Chart	N	N	N	Y	
Documentation	N	Y	Y	Y	N
Storyboard	N	Y	Y	Y	N
Executive Summary	N	N	Y	N	Y
Pursuit of Perfection	N	N	Y	N	Y
New Target - Waste Walk	N	N	Y	N	N
Innovation Transfer	N	N	Y	Y	N
Influence Strategies - Maintain the Gains	N	N	N	Y	N
Best Practices for Completing a Project	N	N	N	Y	N
Leader Standard Work	N	N	N	N	Y
Leader Task Boards	N	N	N	N	Y
Leader Process Performance Board	N	N	N	N	Y
Leader Huddle Meetings	N	N	N	N	Y
Leader Process Walks	N	N	N	N	Y