



Flow - Business Improvement Consultancy
Lean Six Sigma Green Belt ILSSI Certified Course

Curriculum

1. Fundamentals of Process Improvement	40. Graphical Analysis
2. General History of Lean Six Sigma	41. Histograms
3. Principles of Lean and Six Sigma	42. Box Plots
4. Voice of the Customer, and Business	43. Run Charts
5. Lean Six Sigma Belt Roles	44. Measurement System Analysis
6. Defining a Process	45. Precision & Accuracy
7. Inputs and Outputs	46. Bias, Linearity & Stability
8. The 8 Elements of Waste	47. Gage Repeatability & Reproducibility
9. Sustainable Processes	48. Variable & Attribute MSA
10. 5S	49. Process Capability
11. Critical to Quality (CTQs)	50. Capability Analysis, Cp, Cpk, Pp, Ppk
12. SIPOC	51. Long term vs Short term Variation
13. Process Mapping	52. Analyse Phase of DMAIC
14. Value Stream Mapping	53. $Y=f(x)$
15. Flow and Bottlenecks	54. Scatter Plots and Correlation
16. Single-Piece-Flow	55. Correlation Coefficients
17. Poka-Yoke (Mistake Proofing)	56. Simple Linear Regression
18. SMED (Quick Changeover)	57. Regression Equation
19. PULL and Just-in-Time	58. Digital Transformation (Introduction)
20. Kanban	59. Smart Technology (Introduction)
21. Visual Management	60. Hypothesis Testing basics
22. Standardised Work	61. Hypothesis Testing Uses
23. Kaizen and Kaizen Events	62. Practical vs. Statistical Significance
24. PDCA	63. Alpha & Beta Risk
25. Root Cause Analysis	64. p-values
26. Cause & Effect / Fishbone Diagrams	65. Types of Hypothesis Test
27. Pareto Principle / Pareto Charts	66. T-Tests
28. Industry 4.0 (Introduction)	67. Designed Experiments
29. Lean Six Sigma Projects	68. OFAT
30. DMAIC basics	69. Full Factorial Experiments
31. Define Phase of DMAIC	70. Full Factorial Designs
32. A3 Reports	71. Improve Phase of DMAIC
33. Measure Phase of DMAIC	72. Implementation Plans
34. Failure Mode & Effects Analysis (FMEA)	73. Control Phase of DMAIC
35. Six Sigma Statistics	74. Control Plans
36. Use of Excel, Minitab or SigmaXL	75. Statistical Process Control (SPC)
37. Descriptive Statistics	76. Data Collection for SPC
38. Different Types of Data	77. Types of Control Charts
39. Normal Distributions & Normality	

What's Included

- **5-day on-site (in-person) or online training** delivered by an experienced improvement specialist
- **Upgrade from Yellow Belt certification available**, reducing course content and training duration accordingly
- **Content tailored to your industry and operations**, with relevant examples for practical context
- **International Lean Six Sigma Institute (ILSSI) Certification** upon successful completion of the online exam – 100 multiple-choice questions 2 hour allowed

Cost

- **£2,725** - Group discounts available

Ready to Start?

Get in touch to enrol or discuss the best learning path for you or your team.

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