

Here is an outline for Phase I – the workshop phase.

Day 1

- Comprehensive Review/Overview LSS
- Review/Overview DAMIC Model
- Review/Overview PDCA process
- Review Lean Six Sigma Principles/Terminology
- Stakeholders Analysis/Project Charter/Business Case
- Return on Investment Models
- Information Gathering Tools
- Critical Thinking Skills

Day 2

- Identifying Eliminating Waste – Speed Bumps
- Measurement of Central Tendency
- Basic Statistical Tools
- QC Analytical Problem Solving Tools
- SPC – Statistical Process Control
- Process Capability Index (CpK, PpK)
- Case Studies/Practice Exercises

Day 3

- Lean Six Sigma Graphs and Tools
- Theory of Constraints
- Appropriate Project Selection
- Failure Mode Effects Analysis
- Root Cause Analysis
- Quality Characteristics for Graphing
- 5s Model – Expanded
- Models: 3P; 6Ms; 8D Process
- Introduction to DFSS

Here is the outline for Phase 2 – the Reinforcement Phase

5 on-line homework assignments that reinforce Phase 1 and provide additional practice using various graphs and templates.

On-line assessment to determine if student is ready for Phase 3

Additional and/or optional assignments may be required based on the assessment

Here is the outline for Phase 3 – the Practical Application Phase

Private post-instructor/mentor works with student to create:

One project charter
One Green Belt level project