

Course Outline

Lean Six Sigma Green Belt

Course Objective: For student to learn the foundations of Lean Six Sigma and develop problem solving, process improvement and facilitator skills. A graduate from this course is able to effectively implement solutions that result in lower costs, faster delivery, higher quality and increased safety of operations.

Course Description: A project based curriculum that leverages the use of simulations, case studies and student interactions for the most effective learning experience. Students are assigned to a team of four to seven people. Students learn and practice the skills necessary to map, analyze and improve work processes, implement change management strategies, apply structured problem-solving methods, apply root cause analysis tools and implement proven Lean Six Sigma countermeasures.

Course has a total of 30 classroom hours with additional 2-4 hours of home study.

Classroom hours: 9:00am – 4:00pm daily

Course Strategy: Five consecutive days of in-class, hands on learning

Day 1: Introduction to Lean Six Sigma and facilitation workshop

Day 2: Lean and problem solving

Day 3: Process mapping and root cause analysis

Day 4: Lean Six Sigma countermeasures

Day 5: Action planning, team presentations, and certification testing

Upon Completion

1) Knowledge, Skills and Abilities

Possess a complete understanding of Lean and Six Sigma

Ability to apply standardized problem solving and root cause analysis tools

Ability to map, analyze and improve work processes

Ability to facilitate meetings and other improvement events (Kaizen)

Ability to develop and implement proven process improvement strategies

Ability to effectively present project results and document project details

Posses high degree of confidence to pass Lean Six Sigma certification exam

2) Earned Credential

Lean Six Sigma Green Belt Certification (if successful completion of exam)

3) Provided Resources

Hard copy binder with all slides and lessons

Soft copy handouts, templates, and videos