



LEAN BRONZE CERTIFICATION COURSE CURRICULUM

Wednesday 10/19/2016 8:00 am - 5:00 pm SESSION 1 Principles of Lean Manufacturing (Lean 101) Lean Overview with live simulation Reading Assignments (for next session): Lean Production Simplified: Chapters 1 & 2; pages 29-39 Gemba Kaizen: Chapters 1 & 2

Wednesday 10/26/2016 8:00 am to 5:00 pm SESSION 2: Workplace Organization (5S) / Point of Use / Visual Controls Agenda: a) Binder Overview b) Reading Assignment Review c) Classroom Discussion d) Mini-Kaizen Event – 5S Reading Assignments (for next session): Lean Production Simplified: Chapter 4 Gemba Kaizen: Chapters 4-6

Wednesday 11/02/2016 8:00 am - 5:00 pm SESSION 3: Standardized Operations Agenda: a) Quiz #1 b) Reading Assignment Review c) Classroom Discussion d) Team Exercise: Std. Ops Problems Reading Assignments (for next session): Lean Production Simplified: pages 39-48; 115-119 Gemba Kaizen: Chapters 7 & 8 Lean Thinking: Chapters 1-5

Wednesday 11/09/2016 8:00 am - 5:00 pm SESSION 4: Total Productive Maintenance / Setup Reduction / Batch Reduction Agenda: a) Quiz #2 b) Reading Assignment Review c) Classroom Discussion d) Team Exercise - optional e) Mini-Kaizen Event -- Setup Reduction Reading Assignments (for next session): Lean Production Simplified: Chapter 5 Gemba Kaizen: Chapters 11 & 12 Lean Thinking: Chapter 6

Wednesday 11/16/2016 8:00 am - 5:00 pm SESSION 5: Pull Systems / Cellular Manufacturing / Layout / Level Loading Agenda: a) Quiz #3 b) Reading Assignment Review c) Classroom Discussion d) Team Exercise – optional e) VSM Assignment - Teams Reading Assignments (for next session): Lean Production Simplified: pages 87-91 Gemba Kaizen: Chapter 3 Lean Thinking: pages 125-127; 133-150

Wednesday 11/23/2016 8:00 am to 5:00 pm SESSION 6: Value Stream Mapping Agenda: a) Quiz #4 b) Reading Assignment Review c) Classroom Discussion d) Mini-Kaizen Event -- VSM Assignment Reading Assignments (for next session): Lean Production Simplified: Chapter 6; pages 107-115 Gemba Kaizen: Chapter 13; pages 89-90 Lean Thinking: pages 180-182; 201-252

Wednesday 11/30/2016 8:00 am - 5:00 pm SESSION 7: Problem Solving / Mistake Proofing / Teams Agenda: a) Quiz #5 b) VSM Report Outs c) Reading Assignment Review d) Classroom Discussion i. Pull “Kaizen Events” in if time allowing Reading Assignments (for next session): Lean Production Simplified: Chapters 8-9 Gemba Kaizen: Chapters 9-10 Lean Thinking: pages 266-267; 304-340

Wednesday 12/07/2016 8:00 am - 5:00 pm SESSION 8: Lean Leadership / Policy Deployment / A3 / Kaizen Events / Review Agenda: a) Quiz #6 b) Reading Assignment Review c) Classroom Discussion d) Practice Exam #1 e) Practice Exam Discussion f) Formula Sheet g) Formula Take home quiz h) Bronze Review - 60 questions - homework

Wednesday 12/14/2016 8:00 am - 5:00 pm SESSION 9: Review / Practice Exam 2 Agenda: a) Review Take home quiz b) Review Bronze 60 questions c) Review Sessions 1 – 8 d) Lean Bronze Review e) Practice Exam #2 f) Review Practice Exam g) Test Taking Strategies

Wednesday 12/21/2016 8:00 am - Noon SESSION 10: SME Exam Agenda: DON'T BE LATE -- EXAM STARTS PROMPTLY AT 9 a.m. a) 170 questions – multiple choice b) Talk Time = 1 minute