

SLO Presentation

MFGT

Date: 09/11/2019

TECHNOLOGY
MFGT
PSLO No PSLOs
CSLO MFGT53 - Statistical Process Control <ul style="list-style-type: none">• Students will demonstrate a basic knowledge of statistical process control methods for problem solving for a given scenario with at least a seventy percent (70%) accuracy during examination.• Students will demonstrate knowledge of developing and evaluating Statistical Process Control charts for a given scenario with at least a seventy percent (70%) accuracy during examination.• Students will demonstrate knowledge of developing sampling plans for a given scenario with at least a seventy percent (70%) accuracy during examination. MFGT54 - Ultrasonic Level I Testing <ul style="list-style-type: none">• Students show understanding of the nondestructive testing ultrasonic method.• Students identify two (2) parts of ultrasonic equipment and demonstrate safety procedures as well as working knowledge of ultrasonic equipment and transducers for the detection of defects within parts provided.• Students demonstrate a familiarity of the appropriate set-up, instrument calibration, part testing and safety procedures during checking material thickness within an ultrasonic laboratory setting. MFGT55 - Quality Control (QC) <ul style="list-style-type: none">• Students earning a passing grade will demonstrate understanding of quality control principles upon examination with at least a seventy percent (70%) accuracy. Given a case study, students will demonstrate competency of quality control techniques to improve the organization's productivity. MFGT59 - Lean Sigma <ul style="list-style-type: none">• In a case study and examination, students will demonstrate a familiarity with and implement Lean or Six Sigma techniques to improve a given organization's productivity with a 70% percent accuracy rate.• Students demonstrate familiarity of Six Sigma techniques when in a case study and examination.• Students implement Lean or Six Sigma techniques to improve a given organization's productivity.• Students demonstrate knowledge of developing and evaluating Process Control charts for a given scenario.