



EGR 215: Lean Six Sigma

This course focuses on "Lean Manufacturing" methodology utilizing the fundamentals of "Six Sigma". Students are provided with the tools that enable the identification, measurement, and elimination of non-value-added activities in a manufacturing setting. Students develop a working knowledge of the best practices in quality and process management. Students in this course are expected to be computer literate. Pre-requisite: MTH 119 recommended. Three lecture hours per week. Instructional Support Fee applies.

Course Student Learning Outcomes

1. Students will be able to discuss and demonstrate various Lean theory and applications. 2. Students will collect data, calculate and compare information to assess process and equipment capability using six sigma processes. 3. Students will recognize various ISO standards and explain the value of the various requirements within the international industry standards.

Credits: 3

Program: Engineering