



## EGR 115: Manufacturing Processes, Measurements and Quality

This course focuses on manufacturing and measuring processes and equipment. Quality principles, theories, and analysis will be utilized in the evaluation of processes and equipment. The course will describe and discuss various applications, equipment specifications, processes, and capabilities. Various measuring techniques and gauging equipment will be explained with the focus of selecting the proper gauging for the application and product specification requirements. Students in this course are expected to be computer literate. Three lecture hours per week. Instructional Support Fee applies.

### Course Student Learning Outcomes

Students will be able to: 1. Discuss and demonstrate various Manufacturing and Measurement processes, equipment and applications. 2. Compare and assess process and equipment capability in the production of various end products. 3. Utilize quality principles, theories and analysis in the evaluation of processes and equipment.

**Credits:** 3

**Program:** Engineering