EGR 204: Engineering Applications of MATLAB

This course continues the study of MATLAB and discusses the built-in commands and functions. It emphasizes the mathematical capabilities of MATLAB to solve engineering problems that students encounter in their first two years of college. The students also learn programming techniques that allow them to develop their own MATLAB application programs containing interactive prompts as well as user-defined graphic outputs. Prerequisite: MTH 214. One lecture hour and one laboratory hour per week. Instructional Support Fee applies.

Course Student Learning Outcomes

1. Utilize basic MATLAB commands, functions and elements (matrices & others). 2. Apply the built-in functional capabilities to solve engineering problems encountered within the first two years of an engineering program. 3. Develop an application program that demonstrates the basic concepts of logic and program control. 4. Develop user-defined programs and graphical outputs with interactive prompts using programming techniques.

Credits: 1
Program: Engineering