1. **ECE 4700 - Feedback Systems**

2. 3 credit hours (3 contact hours per week)

3. Dr. Ralph Tanner, Professor of Electrical and Computer Engineering


5. Specific course information
   a. Design principles of linear and non-linear feedback systems in both the frequency and time domain.
   b. Prerequisite: ECE 3710
   c. This course is a selected elective for Electrical Engineering majors

6. Specific goals for the course
   a. The student learns to analyze feedback control systems using frequency domain and time domain techniques and to design and implement analog and digital controllers and compensators to obtain desired systems performance.
   b. This course explicitly measure outcomes C and K of the ABET requirements

7. Brief list of topics to be covered
   a. Analysis and design using frequency domain tools
   b. Analysis and design using time domain tools
   c. Analysis and design using digital tools.