ES202, "Principles of Mechatronics"

1. Course Objectives:
   1) To foster an understanding of the tools and techniques of systems engineering
   2) To introduce fundamental feedback control of systems
   3) To provide and promote experience and proficiency with:
      (a) Standard laboratory and test equipment
      (b) MATLAB dynamic simulation capabilities, including SIMULINK
      (c) Analog devices and interfaces (A/D)
      (d) Power supplies
      (e) Analog sensors
   4) To provide insight into the engineering process
   5) To build community in the systems engineering major
   6) To motivate the course of study in the systems engineering major

2. Textbook:
   Reference to texts from ES200: