The purpose of this survey is to get a sense of the background and level of the students in the class. Please mark your answers in the space provided.

**Please turn in this survey by 2 Oct 09 (Fri) at 3 pm, either in class or in the box outside of 109 Steele.**

1. Which course are you taking (circle one): CDS 101 CDS 110a CDS 210 undecided

2. What is your current option (ME, ChE, CS, Bio, etc)? Year (Jr, Sr, G1, G2, etc)?

3. Are you obtaining a minor in CDS: yes no maybe

4. Put a check mark next to any of the following courses that you have already taken. Put a 'C' if you are currently enrolled in the course:
   - ACM 95/100 (complex variables, ODEs)
   - AM 125/CDS 201 (linear analysis)
   - Ae 115 (spacecraft navigation)
   - CDS 104 (dynamical systems concepts)
   - CDS 140a (dynamical systems)
   - CS/EE 145 (computer networking)
   - ChE 105 (control of chemical systems)
   - ChE/BE 169 (cellular engineering)
   - EE 113 (feedback circuits)
   - ME 115 (kinematics and robotics)

5. Please rank your understanding of the following topics on a scale of 1 to 5, using the following classification:
   - 1: never heard of topic
   - 2: remember main ideas/concepts
   - 3: very familiar with topic

   Note: it is completely OK if you have not heard of many of these topics. The purpose of the survey is to understand that background of the class. We will cover all of the topics in the left two columns in CDS 101 and all of them in CDS 110ab.

   - matrices and vectors
   - eigenvalues/eigenvectors
   - differential equations
   - frequency response
   - MATLAB
   - transfer functions
   - asymptotic stability
   - gain/phase margin
   - PID control
   - SIMULINK
   - Laplace transforms
   - sensitivity function
   - linear quadratic regulator
   - Kalman filter
   - Mathematica

6. What is the reason you are taking the class (check all that apply)?
   - Option requirement
   - Need for my research
   - Interested in topic
   - Recommended by advisor
   - Recommended by friend
   - Other: 

7. Are there any specific applications of feedback and control concepts that you are interested in?