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 by 30 Sep (Wed) 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 110  undecided

2. What is your current option (ChE, CS, BE, 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)  ___ CDS 240 (dynamical systems)
   ___ ACM 104 (linear analysis)  ___ CS/EE 145 (computer networking)
   ___ Ae 115 (spacecraft navigation)  ___ ChE 105 (control of chemical systems)
   ___ Ae/CDS/ME 251 (flow control)  ___ ChE/BE 169 (cellular engineering)
   ___ BE 150/250 (systems biology)  ___ EE 113 (feedback circuits)
   ___ CDS 140 (dynamics/ODEs)  ___ ME 115 (kinematics and robotics)

5. Please rank your understanding of the topics below on a scale of 1 to 5, using the following classification:

   1  2  3  4  5
   never heard remember main very familiar
   of topic ideas/concepts with topic

Note: it is completely OK if you have not heard of many of these topics. We will cover all of the topics in the left two columns in CDS 101 and all of them in CDS 110/112.

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

6. What is the reason you are taking the class (check all that apply)?

   ___ Option requirement  ___ Recommended by advisor
   ___ Need for my research  ___ Recommended by friend
   ___ Interested in topic  ___ Other: __________________

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