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 the end of class (27 Sep) or by 28 Sep (Wed) at 5 pm in the mailbox outside of 109 Steele.

1. What is your current option (ACM, EE, Bi, etc)? _____ Year (Jr, Sr, G1, G2, etc)? _____

2. 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) _____ CS/CSN/EE 156 (learning systems)
   _____ ACM 104/AM 125/CDS 201 (linear analysis) _____ EE 112 (signal processing)
   _____ ACM/ESE 118 (statistical analysis) _____ EE/Ma 126 (information theory)
   _____ CDS 110/EE 113 (control systems) _____ EE 160 (communication systems)
   _____ CS/CNS/EE 154 (artificial intelligence) _____ Ma 112 (statistics)

3. Please rank your understanding of the following topics 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. The purpose of the survey is to gauge the background of the class. We will cover most (if not all) of these topics in ACM/EE 116.

   _____ σ fields (probability spaces) _____ conditional probability _____ correlation
   _____ discrete random variables _____ Bayes’ rule _____ random walks
   _____ continuous random variables _____ covariance _____ Gaussian process
   _____ Bernoulli distribution _____ generating functions _____ Wiener process
   _____ Gaussian distribution _____ random processes _____ Ito calculus

4. 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: ___________________

5. Are there any specific applications of probability and random processes that you are interested in?