

# APPL PROB & STAT INFER

**Time and Place:** Tuesday and Thursday, 11:00 - 12:20.

**Professor:** Adly T. Fam, 132 Bell Hall, Tel. 645-2422 X2128 Office. E-mail: *afam@eng.buffalo.edu*

**Grading Policy:** About 6 Homeworks, 30% of grade; Five Quizzes, 50% of grade; Project, 20% of grade.  
[100,90] A, A-; (90,70] B+,B,B-; (70,50] C+,C,C-; (50,35] D+,D; (35,0] F.

**Office Hours:** Tuesday and Thursday, 12:30 to 1:30, and by appointment.

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## Course Outline:

Random Experiments, Sample Space, Events. Probability Measure, Random Variables, Examples of Random Variables, Functions of Random Variables. Characteristic Function. Sample Means. Central Limit Theorem. Introduction to Statistics: Estimation and Hypothesis Testing. Introduction to Random Processes.

## Text:

Stark and Woods, *Probability and Random Processes with Applications to Signal Processing*, Prentice Hall, 2002.