Probability - section 3 (TuTh 11:00-12:15)

Instructor: Krzysztof Kubacki

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Office hours: MWF 11-11:50; M 3:30-4:20; Tu 3-3:50 and by appt. (please use phone or email).

Text: A First Course in Probability, 7th Ed., by S. Ross, Prentice Hall, 2006

Errata to the book PDF

Object of the course:

a) to introduce students to the basic concepts of Probability and their properties, and show how they can be used in practice;
b) to introduce the student to the main probability distributions, with special emphasis on (but not restricted to) the binomial, Poisson, normal and exponential ones;
c) to present the weak law of large numbers as a justification of the probability model, to familiarize the student with the normal and Poisson approximations of the binomial, and to give, if possible, more general versions of the central limit theorem.

- Syllabus (PDF) file

Grades: Quizes, 100; two one hour exams, 200; final exam (comprehensive) 200.

Other: Web page will be operative for this course. Solutions to problems will be provided there. Calculators allowed in exams. Homework will not be collected, but the first 10 to 20 minutes of each class will be devoted to answering homework questions, and this is a very important part of the course as many relevant examples will be worked out in this way. It is imperative in this course that the students attempt to do all the homework, and to emphasize this, the quizzes and in the exams will contain problems very similar to those in the homework.

Questionaire - please bring to class on Thursday 28th, 1st week.

Exams

- Exam#1 Rescaled points
- Exam#2 Rescaled points (with Quizes)
- Final Exam (Rescaled)
- Final Grades

Quizes

- Quiz # 1 and Quiz # 1 with solutions and Quiz # 1 points
- Quiz # 2 with solutions, Quiz # 2 points and Points together
- All points together

Homework

- Chapter #1 solutions Chapter #2 solutions Homework #3 solutions Chapter #3 solutions Chapter #4 solutions
- Chapter 5 solutions Chapter 6 solutions