Math 335 - Mathematical Probability  
Spring 2012

Instructor: Gülhan (Alpargu) Bourget, Associate Professor  
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Class Hours: MWF 1:00 PM - 1:50 PM  
Place: MH 442
Office Hours: MoWeFr 2:00 PM – 3:30 PM  
Place: MH 182H


Course Description: Prerequisites: Math 250A
Basic probability theory, discrete distributions (binomial, geometric, poisson, hypergeometric), continuous distributions (exponential, normal, lognormal, gamma, cauchy), expected value and variance of a random variable, joint distribution function, conditional distributions and independence, conditional expectation and variance, covariance correlation, the probability generating function and moment generating function will be covered. If time allows, law of large numbers and central limit theorem will be introduced.

Attendance
Class attendance is required and preparatory reading will be assumed. If any attendance issue arises, especially in regard to exams, it is up to the student to keep the instructor aware. All electronics including cell phones, watch alarms, etc., must be turned off before entering the classroom and left off until lecture is over for the evening.

Keys to Success
The best and only way to succeed in this course is to solve as many problems as you can. I strongly recommend that you solve a lot more problems than those asked on the assignments, and also you spend a substantial amount of time reading the text on your own.

E-mail is requested
Send your e-mail address to galpargu@fullerton.edu by Friday, January 27 at 5 PM. You should write the e-mail address that you frequently use. Your e-mail will be used to communicate for important information. You are responsible to provide me your e-mail address. The instructor is not responsible for any e-mails that are not received. Any excuses such as “I haven’t received the quiz by e-mail” or “I haven’t checked my e-mail”, or “my mailbox was full” will result zero as score on the assigned work.
Homework/Quiz

A list of homework questions will be assigned, but will not be collected. It is your responsibility to solve all the problems. You can ask me about the questions during my office hours. There will be quizzes every week. The quiz questions might be or might not be coming from the homework problems. I will e-mail you the quiz questions on each Thursday by 1 pm (24 hrs before the due date), and you will turn it in on each Friday in the class; other ways of turning in the quizzes will not be accepted, and will result zero as your score. You are required to work individually on the quizzes; otherwise it will be considered plagiarism and necessary official steps will be taken.

Midterm and Final Exams

Exam 1: February 17, Friday
Exam 2: March 23, Friday
Exam 3: April 27, Friday

Final: May 14, Monday; 2:30 PM – 4:20 PM; Room MH 442

Make-up policy

There is no make-up exams. So check your schedule to ensure that you have no time conflicts with the above exam schedules. The instructor reserves the right to change the dates of any exams.

Grading

Your final grade will be based on quizzes and exams. The quizzes (20%), three midterm exams (lowest 10%, the other two 20% each), and a final exam (30%) will determine your final score. Letter grades with plus-minus will be assigned based on the distribution of the total scores.

Important Dates

February 6 (Monday): Last day for students to ADD with a permit. All permits expire at midnight on February 6.

February 6 (Monday): Last day for students to DROP without a grade of “W”. Students drop using Titan Online.

March 2 (Friday): Last day the Math Department will be flexible on the approval of late withdrawal requests. Beginning Monday, March 5, students must have a serious and compelling reason for withdrawing (e.g. medical reason) and must provide supporting documentation for their reason.

April 20 (Friday): Last day to withdraw with a truly serious and compelling reason that is clearly beyond the student’s control. Students must document their reason.
PERMIT PROCESS

I will sign the Permit form for you. Then you should go to the Math Dept (MH-154). They will place a Permit on their student record. Students will be responsible to go on Titan and add the class. Permit forms are available in the department office for students to pick up.

Students MUST add the class themselves by the specific date. The Permit does not place you in the class.

Disability accommodations

If you need accommodations for a disability, you should schedule an appointment with the professor during the first week of classes to make appropriate arrangements.

Academic integrity

Students who violate university standards of academic integrity are subject to disciplinary sanctions, including failure in the course and suspension from the university. Since dishonesty in any form harms the individual, other students and the university, policies on academic integrity are strictly enforced. I expect that you will familiarize yourself with the academic integrity guidelines found in the current student handbook (see the website at the following address: http://www.fullerton.edu/deanofstudents/judicial/policies.htm).

Examples of actions that constitute academic dishonesty include, but are not limited to:

1. Unacceptable examination behavior, i.e. communicating with fellow students, copying material from another student’s exam or allowing another student to copy form an exam, possessing or using unauthorized materials, or any behavior that defeats the intent of an exam.
2. Plagiarism, i.e. taking the work of another and offering it as one’s own without giving credit to that source, whether that material is paraphrased or copied in verbatim or near-verbatim form.
3. Unauthorized collaboration on a project, homework or other assignment.
4. Documentary falsification including forgery, altering of campus documents or records, tampering with grading procedures, fabricating lab assignments, or altering medical excuses.

Emergency Evacuation

In the event of an emergency such as earthquake or fire:

- Take all your personal belongings and leave the classroom.
- Use the stairways; do not use the elevator (they might not be working once the alarm sounds).
- Go to the lawn area towards Nutwood Avenue.
- Stay with your classmates for further instruction. For further information on exits, fire alarms, and telephones, see the Building Evacuation Maps located near each elevator. Anyone who may have difficulty to evacuate the building please see the instructor.

The Professor reserves the right to change the content of the syllabus at any time.