Math 3160Q Fall 2016
Probability

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Office Hours:
Mondays 10am-11am, 3:30pm-4:30pm
Wednesday 10am-11am, 3:30pm-4:30pm
or by appointment.
Course Webpage: `http://www.math.uconn.edu/~mariano/math2110s16/`

Text: The text for this course is *A First Course in Probability (9th Edition)* by Sheldon Ross.

Supplies: TI-83,TI-84 calculator (or similar)

Course Description:
Introduction to the theory of probability. Discrete and continuous random variables. Jointly distributed random variables, and properties of Expectation. Limit Theorems. Discussion of some of the probability problems encountered in scientific and business fields.

Prerequisites: Solid mastery of calculus, up to and including series, limits, partial differentiation, and multiple integration. (UConn equivalent: MATH 2110, 2130, or 2144.) Knowledge of these topics will be assumed and invoked freely (and thus *hardly* reviewed) in MATH 3160: during lectures, on assignments, and on exams. As a reminder, everyone needs to brush up on double integrals (in Cartesian and polar coordinates) by the halfway point (However, vector calculus will not be used in MATH 3160.)

Homework:

- A schedule of assignments will be posted to the course webpage. These assignments will not be collected. The webpage can be found here:
  `http://www.math.uconn.edu/~mariano/math3160f16/`
- It is **highly** recommended that students form study groups and work together on homework assignments.

Quizzes:

- A quiz will be given at the end of class every Monday. Each will consist of one or two problems from the previous week's topics and should take about 10-15 minutes to complete.
- Your lowest quiz will be dropped at the end of the semester.
- There are **no make-up quizzes**, unless you have a very good reason. (I mean it.)
- Answer keys to quizzes will be posted on the course webpage.

Grades:

Quizzes	Every Monday	20%
Exam 1	Monday, October 3	25% [1]
Exam 2	Wednesday/Friday, November 16/18	25%
Final Exam	TBA	30%

[1] Sec. 7 will take it on 11/16, Sec. 9 will take it on 11/18

Academic Integrity:
Integrity is a crucial part of the academic experience. You must observe the University's Academic Integrity Policy as found in the Student Handbook. Cheating can result in one or more of the following: a score of zero on the assignment; a grade of F in the course; expulsion from the university and/or any subsidiary programs.

Note to the Student:
Learning mathematics takes time and consistent effort. Regular class attendance, completing homework assignments, and reading class notes/textbook before every class is essential for success in this course for most students. Please, never hesitate to seek extra help when you need it.

Students often don't know how to study for math classes. My best advice is to use your book! Read the book. The book has worked out problems with detailed solutions with explanations of all key concepts. You don't read math books like a novel. The way you read a math book is with a pencil and paper. While reading an example in the textbook, you should be attempting the problem by yourself as you read it. I guarantee you that if you do this, you will do very well in any math class you take.

Tentative Schedule:

Week	**Date**	**Section**	**Topic**
1	8/29		
	8/31, 9/2	1.1-1.5	
2	9/5		**Labor Day - No classes**
	9/7, 9/9	2.2-2.4	
3	9/12		
	9/14, 9/16	2.5-2.7	
4	9/19		
	9/21, 9/23	3.2-3.3	
5	9/26		
	9/28, 9/30	3.4-3.5	
6	10/3		**Exam 1 - Oct 3**
	10/5, 10/7	4.1-4.3	
7	10/10	4.4-6	
	10/12, 10/14	4.7-4.8	
8	10/17	4.9-10	
	10/19, 10/21	5.1-5.4	
9	10/24	5.5-5.6*	
	10/26, 10/28	5.7	
10	10/31	6.1-6.2	
	11/2, 11/4	6.3-6.4	
11	11/7	6.5-6.7	
	11/9, 11/11	7.1	
12	11/14	7.2	
	11/16, 11/18		**Exam 2 - November 16/18**
13	11/21		
	11/23, 11/25		**Thanksgiving Recess - No School!**
14	11/28	7.3*, 7.4	
	11/30, 12/2	7.5-7.7	
15	12/5	8.2-8.3	
	12/7, 12/9	8.4	
			Final Exam (Day and Time TBA)