

SYLLABUS

Math 352, Spring 2009

Time:	TR 12:00 - 1:15
Place:	Science and Tech. I, Room 242
Instructor:	Walter Morris
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Phone:	993-1481
Office Hours:	TR 10:30 - 11:50 AM, 1:20 - 1:50 PM
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Math 352 is a course in Mathematical Statistics. The prerequisite for the course is a Calculus-based Probability course such as Math 351. I will assume that everyone has taken such a course and has seen the concepts of random variables, probability density functions, independence of random variables and other standard material. I realize, however, that most people need more than one semester to get a good grasp on all of these topics. We will therefore spend some time with and often refer back to Chapter 2 of our text, which is a review of Probability.

The text for the course is **Statistics and Data Analysis: from Elementary to Intermediate**, by Ajit Tamhane and Dorothy Dunlop, published by Prentice Hall. The major topics of the course are covered in chapters 5 through 10 of that book. These are Point and Interval Estimation, Hypothesis Testing, and Simple Linear Regression.

There will be three in-class tests, which we will tentatively schedule for February 17, March 24 and April 21. Each of the in-class tests determines 20% of the final grade. The final exam is cumulative. It will be given on May 12th at 10:30 AM. Twenty-five per cent of the final grade is determined by the final exam. There will also be weekly homework assignments, which will determine 15% of the grade. The homework assignments will be announced in class and will be posted at <http://math.gmu.edu/~wmorris/352hws09.html>.

Feel free to come to my office if you have any questions. I check my e-mail daily, so you can also ask questions that way. Be certain that you understand all of the homework assigned and all of the assigned reading, and that you ask questions in or out of class in order to clear up any problems you might have. Bear in mind that the questions that you ask in class help not only you, but also the professor and all of the others who had the same questions but were afraid to speak up.