

## COURSE SYLLABUS

### Course Description

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This course will introduce fundamental concepts of statistics with emphasis in interpretation of statistical arguments and mathematical properties. This course is an introduction to probability, random variables, sampling distributions, and estimation (if time permits). This class covers Chapters 1-9 from the textbook. STAT 4706 covers the rest of the textbook. We will cover a good amount of theorems and properties that will require a good knowledge of calculus and proof writing.

**Note:** Math 2224 – Multivariate Calculus is a prerequisite for this class. Also no credit will be given for more than one course in the following group of courses: STAT 4105, 4604, 4705, and 4714.

### Course Materials

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- *Probability & Statistics: For Engineers & Scientists (Eighth Edition)*, Walpole, Myers, Myers, Ye [REQUIRED]
- Access to Blackboard [REQUIRED]
- TI-83 or TI-83 Plus Calculator [RECOMMENDED]

### Course Grade

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For this course, students' grades will be a weighted average from the following categories:

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|-----------------------------------|-------------------|
| • Homework                        | 15 %              |
| • Quizzes                         | 15 %              |
| • Exam #1                         | 20 %              |
| • Exam #2                         | 20 %              |
| • Final (12/16/09 2:05 – 4:05 pm) | 30 % (Cumulative) |

The grading scale will be as follows:

- |               |    |               |    |
|---------------|----|---------------|----|
| • [ 93 , ∞ )  | A  | • [ 73 , 77 ) | C  |
| • [ 90 , 93 ) | A- | • [ 70 , 73 ) | C- |
| • [ 87 , 90 ) | B+ | • [ 67 , 70 ) | D+ |
| • [ 83 , 87 ) | B  | • [ 63 , 67 ) | D  |
| • [ 80 , 83 ) | B- | • [ 60 , 63 ) | D- |
| • [ 77 , 80 ) | C+ | • [ 0 , 60 )  | F  |

Note: The grading system is set up so that grades will not be rounded. For example, if you earn an 89.9% your grade will be a B+. It will not be rounded up to a 90%. Also notice that to receive an A you must earn a 93% or higher, not 92.9%.

### Services for Students with Disabilities

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"Any student who feels that he or she may need an accommodation because of a disability (learning disability, attention deficit disorder, psychological, physical, etc.), please make an appointment to see me during office hours"

### Contacting Your Instructor

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Office Hours: **M** 2:00 pm - 3:30 pm **F** 9:00am-10:30am (or by appointment)  
Office Location: Hutcheson Hall, Carrel 403P  
E-Mail Address: dolteanu@vt.edu

## **Honor Code**

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Here is the honor code for this class... *DON'T CHEAT!* Any student caught cheating will automatically fail this course. Additionally, you will be prosecuted to the extent of the university's law. This honor code is taken very seriously. If the student has a question about what is appropriate, he/she should see the instructor. In general, the student is expected to behave in such a manner that his/her academic integrity is beyond question.

## **Exams**

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Students are required to bring their Virginia Tech student identification card to every examination. A student will not be allowed to take the exam without it. No other document or identification can substitute for their student identification card.

During exams, students should be considerate of their classmates by arriving on time. If a student arrives after at least one student has finished the exam and left the room, he/she will NOT be allowed to take the exam and will receive a grade of zero. Cell phones should be turned off before entering the exam room. If a student's cell phone rings or vibrates during the exam where it is acknowledged by the instructor or proctor, he/she will be penalized in that exam.

Make-up exams will be offered only for extreme, well-documented emergencies approved by the instructor and reported in advance. Examples are death in the family, surgeries, or certified, university-related activities.

## **Homework & Quizzes**

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Students are encouraged to work in groups on homework assignments (unless specified otherwise by the instructor). However, the student's work should represent his/her own ideas. So, please do not copy "word-for-word" answers from each other. Late homework assignments will NOT be accepted unless approved by the instructor in advance. The lowest homework grade will be dropped.

Quizzes may be held in class or on our blackboard website. Quizzes may or may not be announced, so make sure you come to class. You will not be allowed to make up a quiz unless you have prior approval from the instructor or a well-documented emergency. Well-documented means that you have some type of documentation from your Dean, Doctor, etc.

## **Instructor's Advice to the Student**

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The instructor strongly encourages the following tips to increase their chances of maximizing his/her final grade:

- Come to class... participate in class discussion so that the instructor gets to know your ability and willingness to learn.
- Utilize the instructor's or teaching assistant's office hours.
- No matter how smart you think you are, or how shy, quiet, or outgoing you are, get a homework partner in this course. Your instructor cannot be your homework partner or tutor.

## **TA Contact Information**

See Course website on blackboard (<http://learn.vt.edu>) under Staff Information

**\*Note: The instructor may change anything on the syllabus at any time as the need arises.**