

**PROBABILITY AND STATISTICS - I**

FALL 2009

TIME: 1.00 P.M. - 2.15 P.M.

**MATH- 4251 & MATH 6250\*\***

ROOM: Allgood Hall E362

INSTRUCTOR	<b>DR. SANKAR SETHURAMAN</b>
OFFICE	ROOM # N323, 3 <sup>rd</sup> floor in Allgood Hall
OFFICE HOURS	<b>2.45 p.m. -- 5.00 p.m. on T &amp; Th</b> or by an appointment.
PHONE	706-667-4480
Email	ssethura@aug.edu
Schedule Adjustment	From Aug 17 to 19.
<b>MID-SEMESTER:</b>	OCT 12
<b>LAST DAY OF CLASSES:</b>	DEC 03
<b>FINAL EXAM:</b>	<b>TUESDAY, DEC 8 from 3.30 P.M -- 5.30 PM</b>
<b>GRADES DUE:</b>	DEC 13 due by Midnight. Grades viewable on <b>Dec 14.</b>
<b>TEXT BOOK:</b>	<b>Probability and Statistics</b> 3 <sup>rd</sup> Edition by <b>Morris H. DeGroot &amp; Mark. J. Schervish</b>
<b>COURSE OBJECTIVES:</b>	To emphasize the mathematical principles of statistics by exploring the applications of these principles to the natural and social sciences.
<b>COURSE DESCRIPTION:</b>	Probability, mathematical expectation, study of discrete of discrete and continuous probability distributions, moment generating functions, and the central limit theorem. An introduction to sampling distributions, statistical inference and hypothesis testing.
<b>HOMEWORK:</b>	Homework problems will be assigned regularly but will <b>NOT</b> be turned in or graded. <u>Do not continue in this class unless you are prepared to spend one or two hours a day outside class working on assignments.</u> <b><u>Students will be expected to participate in class room discussions or discussions of assigned homework.</u></b>
<b>EXAM POLICY:</b>	There will be <b>THREE ANNOUNCED</b> tests and 5 homework assignments given during the semester and also a TWO - HOUR COMPREHENSIVE FINAL EXAM given at the end of the semester. Each test is worth 50 points. Tests will be announced at least one week in advance. These tests will be based on the <u>problems solved in class and also the homework problems assigned in class.</u> <b>NO MAKE-UP EXAMS</b> will be given for any reason whatsoever. However, you can take the test a day in advance, provided you have bonafide reasons. A grade of <b>ZERO</b> will be recorded if you <u>MISS</u> an exam. <u>You may for no reason skip the final exam.</u> Five Homework assignments will add up to 50 points.
<b>GRADING:</b>	The sum of the three test scores and five homework assignments will count two-third of your final grade and the final exam will score count the remaining one-third of your final grade.  Course Average = $\frac{\text{Total of 3 exams} + \text{Total of 5 homeworks} + \text{Final exam score}}{3}$
<b>EXAM RULES:</b>	All tests and the final exam are closed book and closed notes. Calculators are allowed.

<p><b>COMMENTS:</b></p>	<p><b><u>CHEATING IS NOT TOLERATED.</u></b> If a student is caught cheating, appropriate action will be taken within the college policy.</p> <p>Out of consideration of others, do not leave the room once class has started. If you need to leave early, please try to sit near the door and also let your instructor know before class begins that you will be leaving before class is dismissed. <b>Bring your text book and calculator daily to class.</b></p>
<p><b>WITHDRAWAL POLICY:</b></p>	<p>If you with draw before the midterm, a grade of <b>W</b> will be assigned. <u>If you withdraw after the midterm, a grade of <b>WF</b> will be assigned.</u> Midterm is OCT 12. You must initiate the withdrawal yourself! Do not expect me to drop you if you quit coming to class, you will be assigned an <b>F</b>.</p>
<p><b>ATTENDANCE:</b></p>	<p>According to the college policy a student can miss only up to 3 classes. <b>I check for attendance daily.</b> If you miss more than 3 classes you will immediately be warned of the consequences. I would appreciate your notifying me if you have to miss class so that I am aware of your circumstances. Most of you will find that regular attendance is mandatory for satisfactory performance in the course. There is a strong positive correlation between your class attendance and your success in this course!</p> <p>You are responsible for everything that is covered in class. <u>You are responsible for obtaining the material yourself that you missed because of absences.</u> <b>IT IS YOUR NICKEL. SPEND IT WISELY.</b></p> <p>Please do not bring any visitor to class. Please turn off your beepers while the class is in progress.</p>

**\*\*Additional Requirements for 6250 Students:** They are expected to do problems at the graduate level in the homework assignments as well as the final exam. They will be asked to read additional material and present them in class or discuss about them with the professor. They are also expected to maintain a B-average or higher in the course.