

**APPLIED CALCULUS MATH - 1220 - F , Room : University Hall 330**  
**5:30 p . M. — 6:45 p. m. TUESDAY & THURSDAY, Fall 2009**

INSTRUCTOR	DR. SANKAR SETHURAMAN
OFFICE	ROOM # N323, DEPT. OF MATHEMATICS & COMP. SCIENCE , 3 <sup>rd</sup> floor in ALLGOOD HALL
OFFICE HOURS	<b>2:45 P.M. – 5:00 P.M. T &amp; TH</b> or by an appointment.
PHONE / EMAIL:	706-667-4480 <b>ssethura@aug.edu</b>
<b>SCHEDULE ADJUSTMENT</b>	Aug 17 THROUGH 19
<b>MID-SEMESTER:</b>	Oct 12
<b>LAST DAY OF CLASSES:</b>	Dec 3
<b>FINAL EXAM:</b>	<b>THURSDAY, Dec 10 , 6:00 P.M. --- 8:00 P.M.</b>
<b>GRADES DUE:</b>	Grades entered by Dec 13 midnight. Grades will be ready for viewing on Dec 14.
<b>TEXT BOOK:</b>	<b>BRIEF CALCULUS, AN APPLIED APPROACH , LARSON &amp; EDWARDS</b> , 7th edition
<b>COURSE OBJECTIVES:</b>	To present the basic ideas necessary for an understanding of quantitative techniques both in their mathematical context and as they are applied to business and economic problems.
<b>COURSE DESCRIPTION:</b>	An intuitive approach to the study of differential and integral calculus with applications in economics and management.
<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 Four tests( 50 points each) and also a TWO - HOUR COMPREHENSIVE FINAL EXAM( 100 points) given at the end of the semester. Tests will be announced at least one week in advance. <u>These tests will be based on the problems solved in class and also the homework problems assigned in class.</u> <b>NO MAKE-UP EXAM</b> will be given. If you are going to be out of town on the test day, you can make arrangements to take the test <b>a day</b> in advance. A grade of <b>ZERO</b> will be recorded if you <b>MISS</b> an exam. <b><u>The lowest of the four test scores will be replaced by the average of the four test scores.</u></b> Final exam is mandatory. <u>You may for no reason skip the final exam.</u>
<b>GRADING:</b>	The sum of the <u>four test scores</u> will count two-third of your final grade and the <u>final exam and the computer assignment scores</u> will count the remaining one-third of your final grade.  Course Average = $\frac{\text{Total of 4 exams} + \text{Final exam score}}{3}$

<b>EXAM RULES:</b>	All tests and the final exam are closed book and closed notes. <b>Ti-83 Calculators are allowed.</b>
<b>COMMENTS:</b>	<b><u>CHEATING IS NOT TOLERATED.</u></b> If a student is caught cheating, appropriate action will be taken within the college policy. 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. Bring your text book and calculator daily to class.
<b>WITHDRAWAL POLICY:</b>	If you with draw before the midterm, a grade of W will be assigned. <u>If you withdraw after the midterm, a grade of WF will be assigned.</u> <b>Midterm is Oct 12.</b> 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> .
<b>ATTENDANCE:</b>	<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.!! <u>You are responsible for everything that is covered in class. You are responsible for obtaining the materials that you missed because of absences.</u> <b>IT IS YOUR NICKEL. SPEND IT WISELY.</b> Please do not bring any visitor to class. Please turn off your beepers while the class in progress.
<b>Educational Philosophy</b>	During the course work you will have an opportunity to learn material of substantive importance to you as a student. Simultaneously, you will have a variety of opportunities to enhance your professional skills by: <ul style="list-style-type: none"> <li>• applying the idea of the course to identifying and solving real world problems</li> <li>• reading more perceptively</li> <li>• writing more effectively</li> <li>• working more creatively with others in organizational settings</li> <li>• presenting your ideas more effectively in public forums</li> </ul>
<b>Course Outline.</b>	<ol style="list-style-type: none"> <li>1. Plotting of Polynomial Functions</li> <li>2. Limits</li> <li>3. The Derivative</li> <li>4. Applications of the Derivative</li> <li>5. Curve Sketching</li> <li>6. The Anti-derivative</li> <li>7. Applications of Anti-derivative</li> <li>8. Finance Formulas</li> <li>9. Logarithmic and Exponential functions</li> <li>10. The calculus as applied to Logarithmic and Exponential Functions</li> </ol>