MthSc 108            Calculus of One Variable II            Spring 2006


A graphing calculator such as the TI-89 is highly recommended. The Department of Mathematical Sciences will offer support for the TI-89.

Prerequisite:        MthSc 106

Course Objectives:  MthSc 108 will cover material typically seen in a second semester single variable calculus course: transcendental functions, applications of integration, integration techniques, indeterminate forms, improper integrals, parametric equations, polar coordinates, and infinite series.

Course Regulations:  [http://virtual.clemson.edu/groups/ugs/CUGS/](http://virtual.clemson.edu/groups/ugs/CUGS/)

Please read the regulations concerning undergraduate course regulations including information on Academic Integrity, Class Attendance, Midterm Grades, Final Exams and Posting of Grades.

Course Website:      [http://virtual.clemson.edu/ calculus/](http://virtual.clemson.edu/ calculus/)

Section Mgmt System: You are responsible for any materials or messages posted on Blackboard (bb.clemson.edu). You will access your instructor’s blackboard page for resources that your instructor posts throughout the semester.

Homework:           Problem solving is an essential part of this course. A list of suggested problems from the text is available on the website.

There will be an Online HW for each section. Students are to complete ALL of the problems in each of the assignments. Students may make unlimited attempts at completing an assignment before the due date. The Online HW score will be calculated by dividing the total number of problems completed correctly during the semester by the total number of Online HW problems assigned.

Basic Skills Test:  The Calculus Basic Skills Test is designed to determine if a prospective calculus student possesses the necessary calculus skills to succeed in MthSc 108. The exam consists of 10 free-response questions. See the 108 course web site [http://www.math.clemson.edu/calculus/](http://www.math.clemson.edu/calculus/) for more information.

The Basic Skills Test will be given during class on Thursday, January 12th, 2006 or Friday, January 13th, 2006 depending on whether the section meets MTWTh or MTWF. Students will receive the results of this quiz on Tuesday, January 17th, 2006, so that they may use the results of the test to consider changing to MthSc 106 should they feel that they are not adequately prepared for MthSc 108. A student who wishes to drop MthSc 108 and replace it with MthSc 106 is responsible for making this change.

Tests:              There will be four tests given at 6:30 pm on 2/01/06, 2/22/06, 3/15/06, and 4/19/06.

Ninety minutes will be allotted for each test. Each test will be closed book and closed notes.

An absence from a test will result in a grade of 0. **There will be no makeup tests given except in extreme circumstances.** In such a case, the student must have contacted their instructor within 24 hours of missing the test. In general, the grade on the final exam will replace the zero on the missed test. See the section on grading for more information.

You will probably test in a room different from the room in which your section meets for class. The location of the test sites for each section will be available at the web site before each test.

Accommodations:     If you have a letter stating specific testing accommodations to which you are entitled, please turn in a copy of your letter from the University to your instructor at least one week before the test. Even if you do not anticipate using any accommodations, it is a good idea to turn in the letter as soon as possible.
**Daily Grade:**  The daily grade will count for 10% of your course grade. See the section on grading for more information.

These assignments may be quizzes (announced or unannounced), text book problems, etc.

Late work is not accepted for credit unless specific arrangements have been made with your instructor. No make-ups will be given on quizzes. At the end of the semester, the lowest scores on 10% of these grades will be dropped before the final grade is computed.

Your instructor will provide information on what will be included in the daily grade.

**Attendance:**  Attendance will be recorded. Students who are absent 9 or more times may be dropped from the course. University sanctioned absences (field trips, athletic travel, etc.) will be noted as such if the student provides the instructor with the proper documentation.

If your instructor does not show up for class, quietly wait 15 minutes before leaving. Please call 656-5224 to report this should it happen.

**Final Exam:**  The MthSe 108 final exam must be taken at 6:30 pm on Thursday, May 4, 2006.

*No rescheduling of the final exam will be permitted to accommodate travel arrangements.*

Your instructor will announce the location of the exam and it will be posted on the course website. There will be no exemptions for the final exam. Students who are taking ExSt 301 will have an exam conflict. These students will be contacted in late April with options for resolving the conflict.

**Grading:**  At the end of the semester, the final grades will be compiled using the more favorable of the two methods shown below:

<table>
<thead>
<tr>
<th>Instrument</th>
<th>Method I</th>
<th>Method II</th>
</tr>
</thead>
<tbody>
<tr>
<td>Daily Grade</td>
<td>10%</td>
<td>10%</td>
</tr>
<tr>
<td>Online Homework</td>
<td>5%</td>
<td>5%</td>
</tr>
<tr>
<td>4 Tests @ 15% each</td>
<td>60%</td>
<td></td>
</tr>
<tr>
<td>The 3 Best of the 4 Tests @ 15% each</td>
<td>45%</td>
<td></td>
</tr>
<tr>
<td>Final Exam</td>
<td>25%</td>
<td>40%</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>100%</td>
<td>100%</td>
</tr>
</tbody>
</table>

Grades will be assigned on a 10-point scale (90% = A, 80% = B, etc.)

**Course Coordinator:**  Sherry Biggers, Martin O-308, sbigger@clemson.edu, 656-1302