Unified Calculus & Analytic Geometry II  
Fall 2017 - Math 262 - Section 4

**Lectures.** Tuesday and Thursday, 2:30 – 3:45 pm, Hume 109  
**Instructor.** Dr. Henegan  
**Office.** Hume 320  
**Email.** jhenegan@olemiss.edu  
**Office Hours.** M/W/F (10:00-10:50 am) and T/Th (3:45-4:15 pm). Also by appointment.

**Textbook.** *Calculus Early Transcendentals w/binder + MyMathLab, 2nd Edition*  

**Blackboard.** We will use the Blackboard online course system.

**Additional Software.** *Mathematica (do not purchase).* The *Mathematica* software may be accessed through various computers on campus available for student use. Alternatively, the *Mathematica* software may be installed on your personal computer using the university site license.

**Coverage.** We will cover Chapters 5, 6, and 7 of the text.

**Learning Objectives.** *Antiderivatives and Integration.* Students who successfully complete Math 262 should be acquainted with a variety of methods used to determine antiderivatives for several types of functions (including polynomial, trigonometric, exponential, logarithmic, rational, and radical functions). By the end of the semester, students should also be able to write and evaluate definite integrals that represent plane area, volume, arc length, and surface area.

**Grading.** At the end of the semester, your course grade will be calculated out of a total of 800 points:

<table>
<thead>
<tr>
<th>Category</th>
<th>% of Final Grade</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Homework</td>
<td>12.5</td>
<td>100</td>
</tr>
<tr>
<td>Tests</td>
<td>62.5</td>
<td>500</td>
</tr>
<tr>
<td>Final Exam</td>
<td>25</td>
<td>200</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>100</strong></td>
<td><strong>800</strong></td>
</tr>
</tbody>
</table>

Your letter grade for the semester will be determined by your Total Points and the following scale:

A: 740; A- 716; B+: 692; B: 660; B-: 636; C+: 612; C: 556; D: 476; F: below 476.

*Note 1.* An “I” grade will not be given without the permission of the Department of Mathematics.  
*Note 2.* A grade of C or better in Math 262 is required in order to take Math 263.

**Homework.** In general, homework will be assigned for each section of the text that we cover.

1. The majority of the homework assignments will be available through MyMathLab. Use the Course ID *henegan34393* to sign up for our course online. In addition to the MyMathLab assignments, Mathematica worksheets and/or quizzes may be assigned throughout the semester. Your overall performance on these three types of assignments (MyMathLab, Mathematica, and Quizzes) will constitute the 100 point “homework” grade at the end of the semester.
2. Online homework assignments may be done as many times as needed before the due date, with only the best score counting toward the student’s grade.

3. To receive full credit, online homework must be submitted by 11:59 pm on the due date.

4. Caution. When working a MyMathLab assignment after the due date, you should only work on the problems that (i) you have not attempted or (ii) you have not answered correctly. Working a problem that you have answered correctly prior to the due date may actually lower your score.

5. To practice homework after the due date, go into your Gradebook and click Review beside the desired assignment. This will let you work problems without the risk of lowering your score.

Tests, Final Exam, and Replacement Grade.

1. There will be five tests during the semester. Each test will be worth 100 points. The test questions will be similar in format to the examples in class and the homework problems.

2. Replacement Grade. The lowest test grade will be replaced by the final exam percentage, provided that the final exam percentage is higher than the lowest test grade. Please note that the homework grade cannot be replaced.

3. Missing a Test for a University Function. Any student who must miss one of the five major tests because of an official University function must reschedule and take this test at a time before the test is scheduled to be given. No other rescheduling will be allowed.

4. No make-up tests. If a test is missed for any reason (other than the situation described in item 3 above), then a grade of zero (0) will be given. There will be no make-up tests.

5. Students must show all work for each test question and arrive at a correct answer in order to receive full credit.

6. The final examination is comprehensive and will be worth 200 points.

7. A Note on Final Exams. Any student having three or more final examinations scheduled for the same day may arrange with the instructor to take the noon or the 7:30 p.m. examination on some other mutually satisfactory date.

8. Every student must take the final exam at the time scheduled. The only exceptions are those students affected by item 3 or item 7 above.

9. The final exam for this course will be on Tuesday, December 5 at 4:00 pm.

Test Schedule. The schedule is tentative. It depends on our actual pace in class and is subject to change.

<table>
<thead>
<tr>
<th>Test</th>
<th>Date</th>
<th>Sections Covered</th>
</tr>
</thead>
<tbody>
<tr>
<td>Test 1</td>
<td>Tuesday, September 5</td>
<td>4.9, 5.1, 5.2, 5.3</td>
</tr>
<tr>
<td>Test 2</td>
<td>Tuesday, September 19</td>
<td>5.4, 5.5, 6.1</td>
</tr>
<tr>
<td>Test 3</td>
<td>Thursday, October 5</td>
<td>6.2, 6.3, 6.4, 6.5</td>
</tr>
<tr>
<td>Test 4</td>
<td>Thursday, October 26</td>
<td>6.8, 7.2, 7.3, 7.4</td>
</tr>
<tr>
<td>Test 5</td>
<td>Tuesday, November 14</td>
<td>7.5, 7.8, 7.9</td>
</tr>
<tr>
<td>Final Exam</td>
<td>Tuesday, December 5 at 4:00 PM</td>
<td>Cumulative</td>
</tr>
</tbody>
</table>
Calculators and Electronic Devices.

1. Electronic devices (including calculators, cellphones, tablets, and laptops) are prohibited on all quizzes and exams. Failure to follow this rule will be considered as a form of Academic Dishonesty.
2. All electronic equipment should be turned off during class unless given permission by the instructor. Cell phones should be silenced and put away. The instructor may dismiss you from class if you are observed using any such electronics.

Attendance.

1. Students are allowed a total of four (4) absences throughout the semester. Students who accumulate more than the four allowed will have ten (10) points deducted from their final point total for each absence above the limit.
2. At the beginning of the semester, I will manually call roll each class in order to keep track of attendance. At some point, we may start using the ID scanners. Once we begin to use the ID scanners, each student is responsible for signing in each day. As you sign in, make sure your scan has been successful. You will be able to sign in from ten minutes before class starts until ten minutes after class begins. Do not sign in for your friends or have a classmate sign in for you.
3. Attendance fraud is a form of academic dishonesty. Scanning and leaving before class is dismissed will also be considered academic dishonesty. If you need to leave early, consult with me before class begins. Students engaging in fraud will fail the class and will be reported to the university for further disciplinary action.
4. Students whose attendance is not verified within the first two weeks of the semester may be dropped from the roll.
5. You are responsible for any material, assignments, or announcements that you miss if absent from a class.

Tutoring. Free tutoring services will be offered in Hume 326 on Monday through Thursday from 10:00 am - 6:00 pm and on Friday from 10:00 am - 5:00 pm.

Academic Conduct. The student is expected to uphold the University’s Standards of Honesty as they are explained in Undergraduate Catalog. The instructor is expected to uphold the University’s Discipline Procedures (http://catalog.olemiss.edu/academics/regulations/conduct) in cases of Academic Dishonesty. The following statement is the policy of the Department of Mathematics in Math 262 regarding cheating.

- Offenses. Cheating on any exam or quiz, theft or attempted theft of exam questions, possession of exam questions prior to the time for examination, or the use of an electronic device (including cell phones) on tests or quizzes shall all be offenses subject to appropriate penalties.
- Penalties. The penalty for commission of any offense set out above is a zero on the assignment and a recommended sanction of failure in the course (without possibility of academic forgiveness) to the Academic Discipline Committee and, subject to the approval of the Chancellor, dismissal or suspension from the University.

Academic Needs. It is the responsibility of any student with a disability who requests a reasonable accommodation to contact the Office of Student Disability Services (915-7128). Contact will then be made by that office through the student to the instructor of this class. The instructor will then work with the student so that a reasonable accommodation of any disability can be made.