INSTRUCTOR: Stephan Roberts  
EMAIL ADDRESS: scrober2@olemiss.edu  
OFFICE: Hume 109  
OFFICE HOURS: T/W/Th 2:00-3:00  
CLASS TIME & PLACE: 5:00 – 6:15 T/Th in Hume 109

Course contents and goals: Students who successfully complete Math 262 should be able to calculate an antiderivative of a polynomial, trigonometric, exponential, logarithmic, rational, and radical functions using a variety of methods. Students should also be able to write and evaluate definite integrals that represent plane area, volume, arc length, and surface area.

TEXT and SOFTWARE:
2. Mathematica (do not purchase) – available on the computers in Hume & Weir Hall or install on your computer using the university site license; installation instructions at https://my.olemiss.edu/irj/portal?NavigationTarget=navurl://437be7228f011319fc592867c0866c2f&role=Student&workset=Technology

ASSIGNMENTS:
1. Online homework, Mathematica worksheets, and quizzes will be given throughout the semester. These will total as a 100-point grade. Use Course ID: roberts74132 to enroll. (See last page of syllabus.)
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. Online homework must be submitted by 11:59 pm on the due date to get full credit. Any late online homework assignments may be submitted by 11:59 pm on Sunday, December 3 for half-credit.
4. When working an assignment after the due date, only work problems that you have previously gotten wrong OR not attempted. Working a problem you got correct prior to the due date will actually lower your score.
5. To practice homework after the due date, go into your Gradebook. Click Review beside the desired assignment and you can work problems without risking lowering your score.

TESTS:
1. There will be four major tests during the semester. Each test is worth 100 points. The test questions will be similar in format to the examples in class and the homework problems.
2. The lowest test grade will be replaced by the final exam percentage (if it is higher). Please note that the homework grade cannot be replaced.
3. If a test is missed for ANY reason, a grade of 0 will be given. There will be absolutely NO make-up tests given for ANY reason.
4. Any student who will 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.
5. Students must show all work for each test question and arrive at a correct answer.
6. The final examination is comprehensive and is worth 200 points.
7. Any student having three or more final examinations scheduled for the same day will arrange with the instructor to take the 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 #4 or #7 above. The final exam for this course is on Tuesday, December 5 at 7:30pm.

FINAL GRADE: The cumulative point total for the course is 800 points – tests: 500, homework/quiz: 100, final exam: 200. The following point scale will be used to determine your final grade:

<table>
<thead>
<tr>
<th>Grade</th>
<th>Points Necessary for Grade</th>
<th>Grade</th>
<th>Points Necessary for Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>740-800 = 93 – 100%</td>
<td>C’</td>
<td>612-635 = 77 – 79%</td>
</tr>
<tr>
<td>A’</td>
<td>716-739 = 90 – 92%</td>
<td>C</td>
<td>556-611 = 70 – 76%</td>
</tr>
<tr>
<td>B’</td>
<td>692-715 = 87 – 89%</td>
<td>D</td>
<td>476-555 = 60 – 69%</td>
</tr>
<tr>
<td>B</td>
<td>660-691 = 83 – 86%</td>
<td>F</td>
<td>below 475</td>
</tr>
<tr>
<td>B’</td>
<td>636-659 = 80 – 82%</td>
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NOTE: An "I" grade will not be given without the permission of the Department of Mathematics.
SPECIAL NOTE: A grade of C or better in Math 262 is required in order to take Math 263.
ATTENDANCE POLICY

- In a class that meets three days a week, students are allowed a cumulative total of five (5) absences without penalty. In a class that meets two days a week, students are allowed a cumulative total of three (3) absences.
- Students who accumulate more absences than are allowed will have ten (10) points deducted from their final point total FOR EACH absence above the limit.

In classes where attendance is taken with 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.** Attendance (and identity) fraud is a form of academic dishonesty (and it is illegal). **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.

Note that students whose attendance is not verified within the first two weeks of the semester may be dropped from the roll.

CALCULATORS AND ELECTRONIC DEVICES

- Your brain is a sufficient calculator in Math 262.
- Electronic devices are prohibited on tests. Use of such equipment will be considered cheating.
- 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.

Cheating: 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.

WITHDRAWAL DEADLINE FOR SPRING 2017 SEMESTER: Monday, October 2

After the Course Withdrawal Deadline, courses dropped will be recorded on University records and the W grade will be recorded if the student is not failing the course at the time of withdrawal; otherwise the grade recorded will be F. After the course withdrawal deadline, a student may drop a course only in cases of extreme and unavoidable emergency as determined by the academic dean; dropping a course after the deadline will not be permitted because of dissatisfaction over an expected grade or because the student is changing his/her major.

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.

TUTORING: The Math Department offers free tutoring in Hume 326 on Monday - Thursday from 10:00-6:00 and Friday from 10:00-5:00.
SUGGESTED PRACTICE EXERCISES FOR MATH 262

TEST 1
Section 4.9: 11-15, 23-26, 37-41, 47-49, 67-73
Section 5.1: 17, 19, 20, 23, 24 (right Riemann sums only)
Section 5.2: 21-24, 29, 33-40, 47-51
Section 5.3: 11, 12, 23-49, 61-66, 89, 91, 93, 100-102
Section 5.4: 19-22, 31-34, 36
Section 5.5: 17-30, 32-35, 39-46, 48-52, 62-64, 67-71

TEST 2
Section 6.8: 13-17, 21-23
Section 7.2: 7-12 (note choices on #11), 14-16, 19, 31-35
Section 7.3: 9-11, 14, 16, 17, 25, 37, 41, 44
Section 7.4: 7, 8, 10-13 (let $x = \cos$ on #12), 18, 20, 24, 25, 27, 28, 30, 31, 40, 47-49,
52, 53, 58, 59, 64

TEST 3
Section 7.5: 13-17, 19, 23, 26, 48, 63, 65, 66, 70, 76-78, 80
Section 7.8: 5-7, 9-11, 14, 16, 27, 35, 37, 41, 44, 45
Section 7.9: 21-28, 31, 32, 36, 37, 56, 58
Section 6.1: 7-20, 27-34

TEST 4
Section 6.2: 5-7, 14, 15, 17, 20, 23, 30 (evaluate both ways)
Section 6.3: 17-19, 23-28, 30, 35, 36, 45, 46
Section 6.4: 5-9, 12, 15-18, 22
Section 6.5: 3-9, 11

FINAL EXAM (Tuesday, December 5 at 7:30pm)  Comprehensive