Math 262 – Unified Calculus and Analytic Geometry I
Syllabus – Spring 2013

INSTRUCTOR: Marlow Dorrough   **E-MAIL ADDRESS:** cmdorrou@olemiss.edu
OFFICE: Hume 305A   **OFFICE HOURS:**   9:00-11:00 MW or by appointment

Course contents and goals: Students who successfully complete Math 262 should be able to determine an antiderivative for 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 areas, volumes, arc length, surface area, etc

TEXT: Calculus Early Transcendentals w/ binder + MyMathLab by William Briggs & Lyle Cochran; ISBN: 9781256652533
Mathematica (do not purchase) – available on the computers in the Weir Hall Computer Lab or install on your computer using the university site license; installation instructions at http://www.mcsr.olemiss.edu/appssubpage.php?pagename=mathematica.inc

TESTS: 1. There will be four major tests during the semester. Each test will count 100 points. The test questions will be
              similar in format to the examples in class and the homework problems. The lowest test grade
              will be replaced by the final exam percentage.
          2. Quizzes, online homework, and Mathematica worksheets will be given throughout the semester. Each will count 10
              points, so your ten best will total as a 100-point grade. Use Course ID: **dorrough91487** to enroll in my grade book.
          3. The final examination is comprehensive and will count 200 points.

VERY IMPORTANT:
     1. 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.
     2. The lowest of the four major test grades will be replaced by the exam percentage. Please note that the homework/quiz
         grade cannot be replaced.
     3. Any student who will miss one of the four 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. An "I" grade will not be given without the permission of the Department of Mathematics.
     5. Students must show all work for each test question and arrive at a correct answer.
     6. Any student having three or more final examinations scheduled for the same day will arrange with the
         instructor to take the 12 noon examination or the 7:30 p.m. examination on some other mutually
         satisfactory date.
     7. Every student must take the final exam at the time scheduled. The only exceptions are those students affected
         by # 3 or # 6 above. **The final exam for Math 262-11 is at 12:00 on Thursday, May 9.**

FINAL GRADE: The cumulative point total for the course is 700 points – tests: 400, homework/quiz: 100, final exam: 200. The following point scale will be used to determine your final grade:

Grade	Percentage	Grade	Percentage
A	93%	C^+	77%
A^-	90%	C	70%
B^+	87%	D	60%
B	83%	F	below 60%
B^-	80%		

ATTENDANCE POLICY For classes that meet three days a week, students are allowed (5) absences. For classes that meet two days a week, students are allowed (3) absences. Ten points are deducted from the final point total for each absence above the limit. It is the student's responsibility to make sure his/her attendance record is correct

SPECIAL NOTE: A grade of C or better in Math 262 is required in order to take Math 263.

CALCULATORS: Your brain is a sufficient calculator in Math 262. Electronic calculators, cell phones, and ipods are prohibited on tests and quizzes.

ELECTRONIC DEVICES: All cellular phones, pagers, and other electronic equipment should be turned off during the class period, during movies, in churches, bookstores, restaurants, elevators, grocery stores, and especially while operating a motor vehicle.

Cheating: The following statement is the policy of the Department of Mathematics in Math 261 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 illegal calculator on tests or quizzes shall all be offenses subject to appropriate penalties.
Penalties: The penalty for commission of any offense set out above is failure in the course and, subject to the approval of the Chancellor, dismissal or suspension from the University.

WITHDRAWAL DEADLINE FOR 2013 SPRING SEMESTER: Monday, March 4. 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.

TENTATIVE TEST DATES AND SUGGESTED PRACTICE EXERCISES FOR MATH 262

TEST 1 (Tues, Feb 12)   Section 5.1: 15-20 (right sums only), 31-34
Section 5.2: 19-24, 27, 31-38, 45-50
Section 5.3: 11, 12, 23, 25-56, 69-72 (part b only), 74-82, 87-91, 94, 95
Section 5.4: 19-22, 31-34, 36
Section 5.5: 17-42, 45-48, 52-63, 65-68, 90-93

TEST 2 (Thurs, Mar 7)   Section 6.1: 7-18, 25-27
Section 6.2: 5-16, 23-25, 27-30
Section 6.3: 15-18, 23-26, 31, 32
Section 6.4: 5-8, 11-14
Section 6.5: 3-7

TEST 3 (Tues, Apr 9)   Section 6.7: 7-18, 31-34
Section 7.1: 7-19, 22, 29-35
Section 7.2: 9, 11, 12, 14, 19, 20, 21, 25, 40, 41, 44 (still under construction)
Section 7.3: 7-28, 41-46, 48-51, 54 (still under construction)

TEST 4 (Tues, Apr 30)   Section 7.4: (still under construction)
Section 7.7: 5-20, 27-36
Section 7.8: 9-20, 23-26

FINAL EXAM (12:00 on Thursday, May 9)   Comprehensive; will consist of a departmental portion worth 20% and an instructor portion.