

Math 262 – Unified Calculus and Analytic Geometry II

Syllabus – Spring 2014 Section 02, 04

Instructor: Dr. Joshua Adam Gray

Office: Hume Hall 210

Office Hours: Tuesday, Wednesday, Thursday 1:00-2:30 and by appointment

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COURSE CONTENT & 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. Our goals are to enable students to understand the concepts and rules of integration, learn different techniques for finding integrals, and develop problem solving skills. Math 262 will prepare students for higher level calculus and other courses and will enhance critical thinking and analytical reasoning abilities.

TEXTBOOK:

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/appsubpage.php?pagename=mathematica.inc>

TESTS & HOMEWORK

1. **Graded homework assignments, quizzes, or Mathematica assignments** will be given most class meetings. Your combined homework and quiz percentage will contribute 100 points to the course grade.
2. 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. All work must be shown to receive full credit.
3. The **final exam** will be cumulative, and will contribute 200 points to the final grade.
 - The final exam for section 02 is at **8:00am on Wednesday, May 7th, 2013**
 - The final exam for section 04 is at **8:00am on Friday, May 9th, 2013**

VERY IMPORTANT

1. If a test is missed for any reason, a grade of 0 will be assigned. 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, if the exam percentage is higher. 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. Calculators will not be allowed during tests or quizzes – your brain is sufficient!\
7. Any student having three or more final examinations scheduled for the same day may arrange with the instructor to take the noon examination or the 7:30 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 #3 or #7 above.

ATTENDANCE

Students are allowed 5 absences. Ten points are deducted from the final point **total** (out of 700) for each absence above the limit. The only exception to this policy is for participation in a University function, documented in advance of the event. It is the student's responsibility to make sure his/her attendance record is correct. *Excessive absences may result in the student being dropped from or failing the course.*

Cell phones, pagers, and other electronic devices that might cause disruption should be turned off or silenced before class begins.

FINAL GRADE

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

Grade	Points Necessary for Grade	<i>Note that a grade of C or better in Math 262 is required in order to enroll in Math 263.</i>
A	651 = 93% of 700	
A-	630 = 90% of 700	
B+	609 = 87% of 700	
B	581 = 83% of 700	
B-	560 = 80% of 700	
C+	539 = 77% of 700	
C	490 = 70% of 700	
D	420 = 60% of 700	
F	Below 420	

ACADEMIC MISCONDUCT

You are expected to abide by the guidelines for academic honesty given in the M-Book. Sanctions for academic misconduct may include grade reduction, extra work, failure of the course, suspension, expulsion, or a combination of the above. Academic misconduct includes presenting for grading anything which is not your own original work, using unapproved sources for any assignment or test, allowing someone else to copy your work for a graded assignment or test, theft or attempted theft of exam questions, possession of exam questions prior to the time for examination, the use of an illegal calculator on tests or quizzes, or asking for a regrade of a paper that has been altered from its original form. *If you have any doubts about whether something is proper, ask.*

SPECIAL NEEDS

It is University policy to provide, on a flexible and individual basis, reasonable classroom accommodations to students who have verified disabilities that may affect their ability to participate in course activities or meet course requirements. It is the responsibility of the student to request accommodations by delivering to the instructor a copy of the Instructor Notification of Classroom Accommodations form. Students who believe they may benefit from academic accommodations because of a disabling condition should contact the Office of Student Disability Services (915-7128).

WITHDRAWAL DEADLINES

Tuesday, March 4th. 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.

SPECIAL DATES

2/4	Last day to add a class
3/4	Withdrawal Deadline
3/10-3/14	Spring Break
4/18	Good Friday
5/2	Last day of class
5/5-5/9	Final Exams

TENTATIVE TEST DATES AND SUGGESTED PRACTICE EXERCISES FOR MATH 262

TEST 1 (Wed, Feb 12) Section 5.1: 15-20 (right sums only), 31-34
Section 5.2: 19-25, 27, 28, 31-38, 40, 45-50, 70-73
Section 5.3: 11, 12, 23-56, 69-72 (part b only), 74-82, 87-91, 94, 95
Section 5.4: 7-22, 27, 31-34, *57, 58
Section 5.5: 17-42, 45-48, 52-63, 65-68, +43, 44 *74, 75, 90, 92

TEST 2 (Friday, Mar 7) Section 6.1: 7-19, 25-27, 33, 35-38, *51 **58
Section 6.2: 5-16, 23-25, 27-30, 33-38, 44-48, +52-55, *61, 63
Section 6.3: 15-28, 31-36, 42-46, 56-60 *54
Section 6.4: 5-16, 17-20, 27-30, 39-42 *52

TEST 3 (Mon, Apr 7) Section 6.5: 3-10, 21-24, *31
Section 6.7: 7-20, 38-41, 46-69
Section 7.1: 7-19, 21, 23, 25, 27, 29-35, 37-40, *59, 62
Section 7.2: 9-23, 25, 26, 29, 30, 40, 43, 50, 51, *48
Section 7.3: 7-45 odd, 48-51, *58, 70

TEST 4 (Fri, April 25) Section 7.4: 5-8, 11-16, 19-23, 30-34, 45, 46, 50, 51 *54, 55, 57
Section 7.7: 5-24, 26-38, 52-54, 67, 70 *75
Section 7.8: 13-34, 35-38, *53

FINAL EXAM (8:00 on Wednesday, May 7 or 8:00 on Friday, May 9) Comprehensive

Optional: Section 6.6: (still under consideration)
Section 7.6: (still under consideration)