

**Math 262 - Unified Calculus and Analytic Geometry II**  
**Syllabus - Spring 2005**

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**Office Hours:** 1:00 - 2:30 MW or by appointment

**Text:**

*Calculus*, Second edition, Robert T. Smith and Roland B. Minton, McGraw-Hill, 2002.

**Prerequisites:**

I expect that you know and can apply the material found in Chapters 0, 1, 2, and 3 of your textbook. I will not be reviewing this material in class, but you should feel free to ask me questions about this material during my office hours.

**Grading:**

The grading scale is as follows:

Homework and/or Quizzes	100 points
Four Exams minus a drop grade	300 points
Final Exam	200 points
Total	600 points

A	540 – 600 points
B	480 – 539
C	420 – 479
D	360 – 419
F	0 – 359

**Homework and/or Quizzes:**

- Homework and/or quizzes will be given throughout the semester. Pay careful attention to the due dates for homework because I WILL NOT ACCEPT LATE HOMEWORK.
- Quizzes will be given during class time. Some of the quizzes may be unannounced. If you miss a quiz because of an official university function, you must notify the instructor prior to the quiz and provide the instructor with official documentation. Otherwise, a missed quiz will count as a zero.

- The lowest several homework/quiz grades will be dropped. The exact number to be dropped will be determined based on the number of assignments given.
- This syllabus includes a list of suggested practice problems for the exams. I will not be collecting most of these problems, but you are responsible for learning how to solve all of the suggested problems. I expect that you will spend **at least 6 hours per week** studying for this class and working the practice problems.
- Homework and/or Quizzes will be worth a total of 100 points.

### Exams:

Tentatively, the dates and content for the exams are as follows:

Exam	Date	Content
Exam 1	Thursday, February 10	Sections 4.1 - 4.6
Exam 2	Thursday, March 3	Sections 5.1 - 5.4
Exam 3	Tuesday, April 5	Sections 6.1 - 6.5
Exam 4	Tuesday, May 3	Sections 6.7 - 6.9 and 7.1 - 7.4
Final Exam	Thursday, May 12 at 4:00 pm	Comprehensive

- There will be four in-class exams during the semester and a comprehensive final at the end of the semester. Each in-class exam will be worth 100 points. The final exam will be worth 200 points and will contain a departmental component that will count for 20% of your final exam score.
- 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.
- The lowest of the four major test grades will be dropped at the end of the semester. Please note that the homework grade cannot be dropped.
- If you miss an exam because of an official university function, you must notify the instructor at least two weeks prior to the exam and provide the instructor with official documentation. Only students who provide timely notification and adequate proof of an official university function will be allowed to reschedule an exam. I will not reschedule exams for personal emergencies.
- Be sure that you come to exams prepared. You may not, for any reason, leave the exam room until you are finished with the exam or the time limit is reached, whichever comes first.
- Students must show all work for each test question and arrive at a correct answer.
- 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. Please note that only the 12:00 noon and the 7:30 p.m. examinations may be rescheduled for this reason.

- Every student must take the final exam at the time scheduled. The only exceptions are those students affected by the conditions above. The final exam for MATH 262 Section 7 is at 4:00 pm on Thursday, May 12.
- An "I" grade will not be given without the permission of the Department of Mathematics.

### Other Concerns:

**Expectations** I expect that everyone will maintain a classroom conducive to learning. I like an informal atmosphere, but it must be orderly. Thus, everyone is expected to behave with basic politeness, civility, and respect for others. In particular, talking in class is okay if it's part of a class discussion or with me. Private communications are not, especially during quizzes and tests. Neither are reading extraneous materials, using electronic equipment, or sleeping.

**Absences** Attendance is expected at all times. Students must take the responsibility of telling the instructor in advance if they must leave early and must discuss with the instructor immediately after class if they entered the classroom after class has begun. It is the student's responsibility to make sure the attendance record is correct.

**Working Together** It is acceptable to work together on practice problems or to discuss approaches to homework problems. However, when it comes time for you to write up the solutions, I expect you to do this completely on your own, and it would be best for your own understanding if you put aside your notes from the discussions with your classmates and wrote up the solutions entirely from scratch. Working together on exams or quizzes, of course, is expressly forbidden.

**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 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.

**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.

**Calculator** Graphing calculators are welcome in our classroom. Please note, however, that calculators with a Computer Algebra System and/or a QWERTY keyboard are not

allowed during tests. This includes, but is not limited to, the TI-89, the TI-92, and the Casio Algebra FX 2.0. Cell phone calculators are prohibited. Any attempt to store notes in your calculator for an exam will be considered cheating.

**Cell Phones** 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. You may not use cell phones for any reason during quizzes or exams. Any use of a cell phone during a quiz or an exam will be considered cheating.

**WITHDRAWAL DEADLINE FOR SPRING 2005** *Monday, February 28* 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.

## Tentative Calendar for Math 262-07, Spring 2005

Dates	Comments
18 January–21 January	Sections 4.1 and 4.2
24 January - 28 January	Sections 4.3 and 4.4
31 January - 04 February	Sections 4.5 and 4.6
07 February - 11 February	Review and <b>EXAM 1</b> on Thursday, February 10
14 February - 18 February	Sections 5.1 and 5.2
21 February - 25 February	Sections 5.3 and 5.4
28 February - 04 March	Review and <b>EXAM 2</b> on Thursday, March 3
07 March - 11 March	Sections 6.1 and 6.2
14 March - 18 March	SPRING BREAK, NO SCHOOL
21 March - 25 March	Sections 6.3 and 6.4
28 March - 01 April	Sections 6.5 and Review
04 April - 08 April	<b>EXAM 3</b> on Tuesday, April 5 and Section 6.7
11 April - 15 April	Sections 6.8 and 6.9
18 April - 22 April	Sections 7.1 and 7.2
25 April - 29 April	Sections 7.3, 7.4 and Review
02 May - 06 May	<b>EXAM 4</b> on Tuesday, May 3 and Review for Final
09 May - 13 May	FINAL EXAMS

## Suggested Practice Problems

### **Exam 1:**

**Section 4.1:** Exercises 5 - 39 odds

**Section 4.2:** Exercises 7 - 29 odds

**Section 4.3:** Exercises 5, 7, 9, 11 - 13, 37, 41, and 43

**Section 4.4:** Exercises 15, 17 - 23 odds, 27, 31 - 37 odds, 49, and 63

**Section 4.5:** Exercises 5 - 29 odds, 33, 39, 41 - 45 odds, 47 - 57 odds, and 77

**Section 4.6:** Exercises 5 - 55 odds

### **Exam 2:**

**Section 5.1:** Exercises 1 and 5 - 35 odds

**Section 5.2:** Exercises 1, 3, 7, 11, 15, 17, 27, 29, 31, and 39

**Section 5.3:** Exercises 5 - 33 odds and 39

**Section 5.4:** Exercises 9 - 17 odds (Just set up the integral, do not do the approximation.),  
23, 31 - 37 odds (Just set up the integral, do not do the approximation.)

### **Exam 3:**

**Section 6.1:** Exercises 5 - 43 odds

**Section 6.2:** Exercises 5, 9, 21, 23, 25 - 31 odds, 33, 35, 41 - 45, 49

**Section 6.3:** Exercises 5, 7, 13-43 odds, 45, 51, 53, 61 - 75 odds

**Section 6.4:** Exercises 5 - 11 odds, 13, 15, 17, 23, 25, 31, 33, 35 - 39, 41, 43

**Section 6.5:** Exercises 5 - 33 odds

### **Exam 4:**

**Section 6.7:** Exercises 5 - 33 odds, 41 - 51 odds, 53

**Section 6.8:** Exercises 3 - 41 odds, 45

**Section 6.9:** Exercises 5 - 7, 13 - 35 odds, 37, 42, 45, 51

**Section 7.1:** Exercises 3 - 57 odds

**Section 7.2:** Exercises 3 - 31 odds, 39, 43

**Section 7.3:** Exercises 3 - 41 odds, 46

**Section 7.4:** Exercises 3 - 41 odds