

Syllabus - Math 261 Section 2 - Fall 2004

Instructor: Dr. Haidong Wu
Office: Hume 316
Office Hours: M, T, W, F 10:00-11:00 or by appointments
Phone: 662-915-7416
E-mail: hwu@olemiss.edu
Text: Calculus, Second Edition, by Smith and Minton
Class Time: MWF 9:00-9:50
Location: Hume 201

Course contents and goals: This course covers differentiation and its applications. We will cover Chapters 1, 2, 3, and 4.1. The contents include limits and rates of change, continuity, derivatives, derivative rules including the chain rule, higher derivatives, implicit derivatives, and applications of differentiation. Our goals are to enable students understand the concepts and rules of differentiation, learn different techniques of finding derivatives and develop problem solving skills, apply concepts and theories learned in class to solve some application problems including optimization and curve sketching, prepare for higher level calculus/other courses, and enhance critical thinking and analytical reasoning abilities.

Grading Policy:

1. Four major tests each counting 100 points. (one test dropped) (Tentative Test Dates: Sept. 13, Oct. 6, Oct. 27, Nov. 17).
2. Homework sets counting a total of 100 points will be given.
3. The final examination is comprehensive and will count 200 points.
4. The student shall turn in 5 large 8 _ by 11 inch blue examination books (**without writing your names there**) for use on the tests and final to Dr. Wu as soon as possible.

Final grade: The cumulative point total for the class is 600 points (300 tests, 100 homework, 200 final)

| Grade | Points |
|-------|---------|
| A | 540-600 |
| B | 480-539 |
| C | 420-479 |
| D | 360-419 |
| F | 0-359 |

Very Important:

1. If a test is missed for any reason, a grade of 0 will be given. There will be no make up tests given for any reason other than official university functions. Any student who must miss an exam because of an official university function may reschedule the test before the test is originally scheduled. This is the only rescheduling allowed.
2. The lowest test score is dropped.
3. No late homework will be accepted.
4. An "I" grade will not be given without the permission of the Department of Mathematics.
5. Students must show all work for all work in order to receive credit.

6. Any student having three or more final exams scheduled for the same day may arrange with the instructor to take either the 12:00 noon or 7:30 p.m. exam at another time. This is the only reason that a final exam may be rescheduled. The student is required to take the final exam at the time scheduled.
7. Each student is responsible for all work missed due to absences.
8. A grade of C or better is necessary in those classes that are intended to count toward a major or minor in mathematics.

Special Note: Students shall neither come into the class late nor leave early.

Cheating: The following statement is the policy of Department of Mathematics regarding cheating:

Offenses: Cheating on any exam, quiz, class work, or homework, theft of exam questions or possession of exam questions prior to the time for the exam shall all be offenses subject to the 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: Monday, September 27, 2004. 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 emergencies 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 has changed his or 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). Any request for extended testing time made through that office must be made prior to the date of the test.

ELECTRONIC DEVICES: All cellular phones, pagers, and other electronic equipment should be turned off during the class period. Any disregard for this policy will result in your being asked to leave the class.

Last day of class: December 3

Labor Day: September 6

Last day to add a class: August 27

Suggested Problems:

- 1.1 3, 5, 7, 9, 15, 17, 19, 21, 23, 29, 31, 39
- 1.2 2, 5-23 odd, 29, 33, 39, 42, 47, 53, 65
- 1.3 1, 7, 9, 11, 15, 19, 26, 27, 37, 43, 45, 53
- 1.4 4, 9, 15, 21, 25, 33, 39, 41, 49, 60, 75

- 1.6 5, 7, 11, 13, 19
- 2.1 5, 9, 11, 13, 17, 21, 25, 29, 33, 35, 39, 43, 47
- 2.2 7, 11, 13, 15, 21, 22, 23, 24, 25, 26, 27, 31, 33, 35
- 2.3 5, 11, 17, 23, 25, 29, 33, 35, 37, 41, 45, 55, 63-69 odd, 71, 73
- 2.4 5, 7, 9, 11, 17, 21, 33, 37, 41, 49
- 2.5 2, 5, 7, 11, 17, 23, 31, 33, 41, 51
- 2.6 9, 15, 21, 27, 31, 35, 37, 41, 45, 57
- 2.7 9, 15, 21, 27, 33, 37, 41, 55, 62
- 2.8 5, 9, 13, 17, 23, 33, 35, 45
- 2.9 5, 9, 11, 13, 19, 21, 27, 35, 37, 41, 48
- 3.1 1, 7, 11, 13, 17, 27, 31, 35, 39, 53
- 3.2 1, 7, 9, 13, 17, 21, 25, 29, 39, 41
- 3.3 5, 9, 13, 17, 21, 23, 31, 35, 41, 43, 53, 59, 61
- 3.4 5, 9, 13, 15, 19, 27, 33, 35, 39, 43, 57
- 3.5 3, 5, 9, 17, 21, 23, 29, 37, 41, 47, 51
- 3.6 3, 5, 11, 19, 27, 35, 43, 45, 49, 51, 55
- 3.7 7, 9, 11, 13, 19, 21, 33, 37
- 3.8 5, 7, 9, 15, 19, 29, 32, 37, 41
- 4.1 3, 5, 11, 17, 21, 23, 29, 35, 41, 45, 47, 55, 57, 59, 69, 79