

**Math 262: Unified Calculus and Analytic Geometry II**  
**Syllabus – Summer 2009**

<b>Instructor:</b>	Dr. Haidong Wu	<b>Office:</b>	Hume 316
<b>Office Hours:</b>	M, W, W, Th 1:30-2:30		
<b>Phone:</b>	662-915-7416	<b>E-mail:</b>	hwu@olemiss.edu
<b>Class Time:</b>	MTWThF 10:00-11:50	<b>Location:</b>	Hume 111

**Course contents and goals:** This course covers integration and its applications. We will cover most sections of Chapters 5, 6, 7, and 8. The content includes, but is not limited to, evaluation of definite and indefinite integrals; computation of area, volume, arc length, and surface area; transcendental functions; and improper integrals. Our goals are to enable students to understand the concepts and rules of integration, learn different techniques for finding antiderivatives, and develop problem solving skills. We expect students to apply concepts and theories learned in class to solve application problems, and we aim to enhance students' critical thinking and analytical reasoning abilities. Moreover, the course will also prepare students for higher level calculus/other courses.

**TEXT:** Thomas' Calculus, 11th edition, Volume 1 – Custom Edition for the University of Mississippi

- TESTS:**
1. There will be three 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 and homework (50 points in total) will be given throughout the semester.
  3. The final examination is comprehensive and will count 150 points.
  4. Tentative test dates: June 2, 9, 17

**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 test grade will be replaced by the final exam percentage. Do not miss (for any reason) more than one major test. There will not be ANY means to make up a test. Note that the quiz/HW grade cannot be replaced.
3. Any person who must miss a scheduled exam because of an official University function must reschedule and take this exam at a time BEFORE the exam 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.
8. Please bring 4 large blue books (no names) to Dr. Wu as soon as possible.

**FINAL GRADE:** The cumulative point total for the tests, quizzes/HW, and the final examination is 500 points  
The following point scale will be used to determine your final grade.

<b>Grade</b>	<b>Points Necessary for Grade</b>
A	90% of 500
B	80% of 500
C	70% of 500
D	60% of 500
F	Below 60%

**ATTENDANCE POLICY** Ten points are deducted from the final point total for each absence above 4 absences. 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 enroll in Math 263.

**CALCULATORS:** An inexpensive scientific calculator is sufficient in Math 262. Graphing calculators and cell phones calculators are prohibited.

**ELECTRONIC DEVICES:** All cellular phones, pagers, and other electronic equipment should be turned off during the class period.

**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.

**WITHDRAWAL DEADLINE FOR 2008 Spring Semester:** Wednesday, February 27. 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 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). Contact will then be made by that office through the student to the instructor of this class. The instructor will then be happy to work with the student so that a reasonable accommodation of any disability can be made.

**SPECIAL DATES:**

Last day to drop the class: June 8 (Monday), 2009

Classes end: Friday, June 19, 2009

**SUGGESTED HOMEWORK ASSIGNMENTS FOR MATH 262:**

Sections 5.1, 5.2: 35-40 (your answer for the upper sum may differ from the text)

Section 5.3: 55-60

Section 5.4: 1-24; 27-36; 47-52

Section 5.5: 13-48; 59

Section 5.6: 1-18; 25-40

Section 6.1: 13-16; 31-32; 45-47

Section 6.2: 1-6; 25, 26, 35, 36

Section 6.3: 1-8

Section 6.5: 1-4 (part a only); 13, 14

Section 7.1: 1-31 odd

Section 7.2: 5-22; 26-28; 37-52; 55-58; 81-82

Section 7.3: 5-30; 41-54; 65, 66

Section 7.4: 11-22; 39-70

Section 7.5: 3, 6, 7, 17, 25, 26, 27

Section 7.7: 1-20; 29-34; 49-52; 61, 62, 64; 71-74; 77-80; 83, 86, 89-94;

99-102; 105-110; 113, 116; 121, 122, 124; page 548: 85-89

Section 7.8: 67, 68, 73, 74

Section 8.1: 1-30; 53-56

Section 8.2: 1-12

Section 8.3: 9-22

Section 8.4: 1-4; 11-14; 25, 26, 29, 30

Section 8.5: 1-8; 11-24; 29-32

Section 8.8: 1, 3-7; 15, 17, 20

**FINAL EXAM: Monday, June 22, 12-3 PM. The final will be comprehensive.**