

Math 261: Unified Calculus and Analytic Geometry I
Spring 2014 Syllabus
Section 09

Instructor: Bette Catherine Putnam

Office: Hume 208

Office Hours: Monday/Wednesday 5:30-6:45PM or by appointment

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COURSE CONTENT AND GOALS: This course covers differentiation and its applications. We will cover Chapters 2, 3, and 4. The content includes, but is not limited to, limits and rates of change, continuity, derivatives, derivative rules, higher derivatives, implicit differentiation, and applications of differentiation. Our goals are to enable students to understand the concepts and rules of differentiation, learn different techniques for finding derivatives, and develop problem solving skills. We expect students to apply concepts and theories learned in class to solve application problems that include optimization and curve sketching. Math 261 will prepare students for higher level calculus/other courses and enhance critical thinking and analytical reasoning abilities.

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/appsubpage.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. All work must be shown to receive full credit. The lowest test grade will be replaced by the final exam percentage.
2. Online homework, Mathematica worksheets, and quizzes will be given throughout the semester. These will total as a 100-point grade. Use Course ID: **putnam50173** to enroll in my grade book.
3. Online homework must be submitted by 11:59 pm on the due date to get full credit. **Any late online homework assignments may be submitted by 11:59 pm on Sunday, May 4 for half-credit.**
4. 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 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.
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 PM 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.

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
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

**** Note that a grade of C or better in Math 261 is required in order to enroll in Math 262.*

ATTENDANCE POLICY: 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 students responsibility to make sure his/her attendance record is correct.

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.

ACADEMIC 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 DEADLINE: Tuesday, 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.

SPECIAL DATES:

Course Withdrawal: March 4

Spring Break: March 10-14

Classes End: May 2

Final Exams: May 5-9

PEARSON CUSTOMER SUPPORT: Problems involving the MyMath-Lab software should be directed to their technical support department.

- The Pearson Customer Support Office is open Monday V Friday from 11 am until 7 pm (central time)
- Students may call 1-800-677-6337 to receive assistance with the software.
- Help can be found 24 hours a day online at <http://247pearsoned.custhelp.com/>
- It is highly recommended that you do not use Safari as your internet browser for this software.

TENTATIVE TEST DATES AND PRACITCE PROBLEMS FOR MATH 261 (DATES ARE SUBJECT TO CHANGE)**Test 1 (Monday, February 10)**

- Section 2.2: 7-10; 17-20
- Section 2.3: 9-34; 37-48; 64, 65; 73-75
- Section 2.4: 8-12; 17-30
- Section 2.5: 9-26; 38, 39, 43
- Section 2.6: 9-28; 35-44; 61-66, 74

Test 2 (Wednesday, March 5)

- Section 3.1: 11-32; 35-38; 49-52; 65-68
- Section 3.2: 7-24; 29, 30, 35, 36; 39-41; 48
- Section 3.3: 8, 11, 12; 17-21; 23, 24; 27-41; 62, 63
- Section 3.4: 7-19; 21; 26-30; 50, 51, 54, 55 (Section 1.4: 15-22; 29-46; 49-56)
- Section 3.5: 9-19; 28, 29, 37
- Section 3.6: 7-36; 56-61; 75-78

Test 3 (Wednesday, April 2)

- Section 3.7: 5-14; 21-26; 33-36; 41-43; 48-53
- Section 3.8: 9-16; 26-36; 59, 60, 63, 64 (Section 1.3: 17-22; 25-30; 37-40)
- Section 3.9: 1-14; 20, 22, 24, 26, 28; 29-42
- Section 3.10: 5-12; 14
- Section 4.7: 13-21; 26

Test 4 (Monday, April 28)

- Section 4.1: 11-18; 23-36; 43, 48, 50, 52, 53, 54, 68
- Section 4.2: 17-27; 30-38; 47-53; 57-59
- Section 4.3: 7-20
- Section 4.4: 7-10; 18, 19, 24
- Section 4.6: 7-9; 11, 12; 15-22
- Section 4.8: 11-15; 39-48

Final Exam (Wednesday, December 11 @ 7:30PM): Comprehensive