

**Math 261--03 – Unified Calculus and Analytic Geometry I  
Syllabus – Spring2014**

**INSTRUCTOR:** Dr. Lanzhen Song  
**CLASS TIME:** MWF 11:00-11:50AM  
**OFFICE:** Hume 304

**E-MAIL ADDRESS:** [lsong@olemiss.edu](mailto:lsong@olemiss.edu)  
**LOCACCTTON:** Hume 109  
**OFFICE HOURS:** M W 2-3PM; Or by appointments

**Course contents 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> ( After you download it on your computer, you have to click <https://user.wolfram.com/portal/requestAK/0f54b1afeb3ee1b90cf94c0e89ffad436d717a97> and follow the instructions )

- 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. The lowest test grade will be replaced by the final exam percentage.
  2. (1) **12 homework** sets counting a total of 120 points will be given (Later it will be converted into 60 points to the Final total). Please go to [www.mymathlab.com](http://www.mymathlab.com), MyMathLab to do your homework. Please read the instruction on the last page of this syllabus.  
(2) **Quizzes** will be given throughout the semester. They will count total to 20 points (Most questions will be similar to the home work questions).  
(3) **Mathematica** will count 20 points into Final total.
  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 given. There will be absolutely NO make up tests given for ANY reason.
2. The lowest of the four major test grades can be replaced by the Final exam percentage. 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 circle at your final 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. **The Final Exam for Math 261-03 is at noon on Monday, May 5.**

**FINAL GRADE:** The cumulative point total for the course is 700 points – tests: 400, homework/quiz/Mathematica: 100, final exam: 200. The following point scale will be used to determine your final grade:

Grade	Percentage Necessary
<b>A</b>	<b>93%</b>
<b>A<sup>-</sup></b>	<b>90%</b>
<b>B<sup>+</sup></b>	<b>87%</b>
<b>B</b>	<b>83%</b>
<b>B<sup>-</sup></b>	<b>80%</b>

Grade	Percentage Necessary
<b>C<sup>+</sup></b>	<b>77%</b>
<b>C</b>	<b>70%</b>
<b>D</b>	<b>60%</b>
<b>F</b>	<b>Below 60%</b>

**ATTENDANCE POLICY** It is essential to attend every class in order to do well in mathematics. Our classrooms are equipped with automated attendance systems that allow students to “sign” themselves into class by swiping their student identification cards. Please consult this webpage for more information about the system: <http://technews.blog.olemiss.edu/2013/01/16/new-attendance-tracking-scanners-for-um-classrooms>. Each student is responsible for “signing” into the class every day as an indication of class attendance and participation. As you “sign” in, pay attention and confirm that your identification has been successfully recorded. Use your own student identification to “sign” in. **Do NOT “sign” in for your friends or have a classmate “sign” in for you.** Attendance (and identity) fraud is a form of academic dishonesty (and it is illegal); students engaging in fraud will fail the class and will be reported to the university for further disciplinary action. If you must leave class after signing in, please alert me before class begins. If you sign in and leave, you will fail the class and you will be cited for academic fraud. *You may scan from 10 minutes prior to class until 10 minutes after class begins. It is your responsibility to see me immediately after class if you are more than 10 minutes late.*

For classes that meet three days a week, students are allowed (5) absences. Ten points are deducted from the final point total for each absence above the limit. 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 261 is required in order to enroll in Math 262.

**CALCULATORS:** No calculators and cell phones calculators are prohibited on tests and quizzes.

**ELECTRONIC DEVICES:** All cellular phones, papers, 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 261 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 Spring 2014 SEMESTER:** *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.

**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.

**SPECIAL DATES:**

Progress Reports: Friday, March 7

Spring Break: March 10 – 14

Good Friday: April 18

Classes end: Friday, May 2

Final Exams: Monday, May 5 - Friday, May 9(**The Final Exam for Math 261-03 is at noon on Monday, May 5.**)

**TENTATIVE TEST DATES AND PRACTICE PROBLEMS ON TEXT BOOK FOR MATH 261**

**TEST 1 (Friday, Feb 14)** 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 (Friday, Mar 7)** 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 (Review 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 (Friday, Apr 4)** Section 3.7: 5-14; 21-26; 33-36; 41-43; 48-53

Section 3.8: 9-16; 26-36; 59, 60, 63, 64 (Review 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 (Friday, Apr 25)** 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 (The Final Exam for Math 261-03 is at noon on Monday, May 5):** Comprehensive

MyLab & Mastering

## Student Registration Instructions

MyMathLab®

PEARSON

ALWAYS LEARNING

To register for **Song\_Math261Spring2014-03**:

1. Go to [pearsonmylabandmastering.com](http://pearsonmylabandmastering.com).
2. Under Register, click **Student**.
3. Enter your instructor's course ID: [song70399](#), and click **Continue**.
4. Sign in with an existing Pearson account or create an account:
  - If you have used a Pearson website (for example, MyITLab, Mastering, MyMathLab, or MyPsychLab), enter your Pearson username and password. Click **Sign in**.
  - If you do not have a Pearson account, click **Create**. Write down your new Pearson username and password to help you remember them.
5. Select an option to access your instructor's online course:
  - Use the access code that came with your textbook or that you purchased separately from the bookstore.
  - Buy access using a credit card or PayPal.
  - If available, get 14 days of temporary access. (Look for a link near the bottom of the page.)
6. Click **Go To Your Course** on the Confirmation page. Under MyLab & Mastering New Design on the left, click **Song\_Math261Spring2014-03** to start your work.

### Retaking or continuing a course?

If you are retaking this course or enrolling in another course with the same book, be sure to use your existing Pearson username and password. You will not need to pay again.

**To sign in later:**

1. Go to [pearsonmylabandmastering.com](http://pearsonmylabandmastering.com).
2. Click **Sign in**.
3. Enter your Pearson account username and password. Click **Sign in**.
4. Under MyLab & Mastering New Design on the left, click **Song\_Math261Spring2014-03** to start your work.

**Additional Information**

See **Students > Get Started** on the website for detailed instructions on registering with an access code, credit card, PayPal, or temporary access.