

Math 262 - Unified Calculus and Analytic Geometry II
TTH 11:00 – 12:15 in Hume 113
Course Syllabus – Spring 2017

INSTRUCTOR INFORMATION:

Instructor: Cody Harville
Office: Hume 216

Email Address: cjharvil@olemiss.edu
Office Hours: MW 2:00 – 4:00 or by appointment

Course Contents and Goals: Students who successfully complete Math 262 should be able to determine an antiderivative for polynomial, trigonometric, exponential, logarithmic, rational, and radical functions using a variety of methods. Students should also be able to write and evaluate definite integrals that represent plane area, volume, arc length, and surface area.

TEXT and SOFTWARE:

1. Calculus Early Transcendentals w/ binder + MyMathLab by William Briggs & Lyle Cochran; 2nd edition; ISBN: 9781323110935
2. **Mathematica (do not purchase)** – available on the computers in Hume & Weir Hall or install on your computer using the university site license; installation instructions at <https://my.olemiss.edu/irj/portal?NavigationTarget=navurl://437be7228f011319fc592867c0866c2f&role=Student&workset=Technology>

HOMEWORK AND OTHER ASSIGNMENTS: Course ID: harville55043

1. Online homework, Mathematica worksheets, and quizzes will be given throughout the semester. These will total as a 100-point grade. Use course ID above to enroll in my grade book. (See last page of syllabus for registration instructions for MyMathLab.)
2. Online homework assignments may be done as many times as needed before the due date, with only the best score counting toward the student's grade.
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 7 for half-credit.**
4. When working an assignment after the due date, only work problems that you have previously gotten wrong OR not attempted. Working a problem you got correct prior to the due date will actually lower your score.

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.
2. The lowest test grade will be replaced by the final exam percentage (if it is higher). Please note that the homework/quiz grade cannot be replaced.
3. 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.
4. Any student who will miss a test 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.
5. Students must use a pencil on the test.
6. Students must show all work for each test question and arrive at a correct answer.
7. Tentative test dates can be found on the course calendar.

FINAL EXAM:

1. The final examination is comprehensive and will count 200 points.
2. Any student having three or more final examinations scheduled for the same day will arrange with the instructor to take the Noon or the 7:30 p.m. examination on some other mutually satisfactory date.
3. Every student must take the final exam at the time scheduled. The only exceptions are those students affected by # 2 above. The final exam date can be found on the university's website and on the course calendar.

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

| Grade | Points Necessary for Grade | Grade | Points Necessary for Grade |
|-------|----------------------------|-------|----------------------------|
| A | 630 – 700 = 90 – 100% | C+ | 532 – 545 = 76 – 77.99% |
| A- | 616 – 629 = 88 – 89.99% | C | 490 – 531 = 70 – 75.99% |
| B+ | 602 – 615 = 86 – 87.99% | C- | 476 – 489 = 68 – 69.99% |
| B | 560 – 601 = 80 – 85.99% | D | 420 – 475 = 60 – 67.99% |
| B- | 546 – 559 = 78 – 79.99% | F | Below 420 = Below 60% |

NOTE: An "I" grade will not be given without the permission of the Department of Mathematics.

SPECIAL NOTE: A grade of C or better in Math 262 is required in order to take Math 263.

ATTENDANCE POLICY Our classrooms are equipped with automated attendance systems that allow students to “sign” themselves into class by swiping their student identification cards. Each student is responsible for “signing” into the class every day. As you “sign” in, pay attention and confirm that your identification has been successfully recorded. 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. For classes that meet three days a week, students are allowed five (5) absences. For classes that meet two days a week, students are allowed three (3) 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.

Note that students who do not attend class within the first two weeks of the semester may be dropped from the roll.

CALCULATORS AND ELECTRONIC DEVICES

- Your brain is a sufficient calculator in Math 262 – No Calculators!
- Electronic calculators, cell phones, and ipods are prohibited on tests. Use of such equipment will be considered cheating.
- All electronic equipment should be turned off during class unless given permission by the instructor. This includes ipods, laptops, ipads, etc. Cell phones should be silenced and put away. The instructor may dismiss you from class if you are observed using any such electronics.

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 electronic device (**including cell phones**) 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 (without possibility of academic forgiveness) and, subject to the approval of the Chancellor, dismissal or suspension from the University.

WITHDRAWAL DEADLINE FOR SPRING 2017 SEMESTER: Monday, March 3

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.

TUTORING: The Math Department offers **FREE** tutoring Monday - Thursday from 10:00am – 6:00pm and Friday from 10:00am – 5:00pm in Hume 326. If you would like to pay for private tutoring, a list of private tutors is usually kept in the main office of the Department of Mathematics (Hume 305).

SUGGESTED PRACTICE EXERCISES FROM THE TEXTBOOK

Tentative test dates can be found on the course calendar

TEST 1

Section 4.9: 11-15, 23-26, 37-41, 47-49, 67-73
Section 5.1: 17, 19, 20, 23, 24 (right Riemann sums only)
Section 5.2: 21-24, 29, 33-40, 47-51
Section 5.3: 11, 12, 23-49, 61-66, 89, 91, 93, 100-102
Section 5.4: 19-22, 31-34, 36
Section 5.5: 17-30, 32-35, 39-46, 48-52, 62-64, 67-71

TEST 2

Section 6.2: 5-7, 14, 15, 17, 20, 23, 30 (evaluate both ways)
Section 6.3: 17-19, 23-28, 30, 35, 36, 45, 46
Section 6.4: 5-9, 12, 15-18, 22
Section 6.5: 3-9, 11

TEST 3

Section 6.8: 13-17, 21-23
Section 7.2: 7-12 (note choices on #11), 14-16, 19, 31-35
Section 7.3: 9-11, 14, 16, 17, 25, 37, 41, 44
Section 7.4: 7, 8, 10-13 (let $x = \cosine$ on #12), 18, 20, 24, 25,
27, 28, 30, 31, 40, 47-49, 52, 53, 58, 59, 64

TEST 4

Section 7.5: 13-17, 19, 23, 26, 48, 63, 65, 66, 70, 76-78, 80
Section 7.8: 5-7, 9-11, 14, 16, 27, 35, 37, 41, 44, 45
Section 7.9: 21-28, 31, 32, 36, 37, 56, 58

FINAL EXAM Comprehensive = Covering all sections

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

- The Pearson Customer Support Office is open Monday – 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.

MyLab / Mastering Course Registration Instructions

Dear Student,

Your instructor chose MyLab / Mastering to help you succeed in this course. With rich media, your eText, and much more, your course provides you with the resources you need to master even the most difficult concepts. Your course is designed to help you get a better grade!

What You Need to Enroll in your Instructor's Online Course

✓ **A Course ID: harville55043**

✓ **A valid email address that you check regularly**

This address will be used to confirm your registration and for other communication about the course. Your instructor may also use this email address to communicate with you.

***** If you have taken Math 261 at Ole Miss with THIS textbook, you do not have to buy a new access code!!! Follow the instructions below:**

- Go to www.mymathlab.com and sign in.
- Click **Enroll**.
- Enter your Course ID.
- Confirm.

***** If you have NOT taken Math 261 at Ole Miss with THIS textbook, follow these instructions:**

- Go to www.mymathlab.com
- Click **Student** under Register.
- Enter your Course ID and click **Continue**.
- Verify the course information.
- You have a Pearson account if you have used other Pearson online products.
Enter your username and password, and click **Sign In**.
- If you don't have a Pearson account, click **Create an account**.
- Complete your account set up by entering your name, email address, a username and password, and any other required information.
- Click **Create Account**. You now have a Pearson account.
- **Course access** – You have three choices
 - If you have already purchased an access code, click **access code**, enter the code and click **Finish**.
 - If using a credit card or PayPal, click the button for the access you want to purchase, provide payment account information and verify your order.
 - Click on **Get temporary access** and then confirm your choice by clicking **Yes**. This will give you temporary access to the course for 14 days. At that time, you will have to purchase an access code.

To Sign in to Your Course Again Later

- Return to www.mymathlab.com
- Click **Sign In**.
- Enter your Pearson account username and password and click **Sign In**.