

MATH 262: UNIFIED CALCULUS & ANALYTIC GEOMETRY II, SECTION 3, SPRING 2017

SYLLABUS

Course Information

Instructor: Dr. Thái Hoàng Lê.

Office: Hume Hall 337.

Office hours: T 10:00A - 11:00A, W 1:00P–2:00P, Th 1:30P–2:30P, or by appointment.

Email: leth@olemiss.edu. If you want to contact me by email, make sure to put the **name** of the class on the subject of your email. If not, your email may be skipped.

Text/Software:

- Text: W. Briggs, L. Cochran & B. Gillett, *Calculus: Early Transcendentals*, 2nd edition; ISBN-13: 9780321947345.
- Mathematica (**do not purchase**) - available on the computers in Hume & Weir Hall or install on your computer using the university site license; installation instructions under the Mathematica quick link at: <http://www.mcsr.olemiss.edu/>

Time/Place: Tuesday-Thursday, 11:00A–12:15P, Hume Hall 110.

Course Description

This course is the second semester of a four-semester calculus sequence at the University of Mississippi. The course will cover material in chapters 5, 6, and 7 of Briggs, Cochran and Gillett's *Calculus Early Transcendentals*. The main focus of this course will be *integration*. This mathematical idea has many different incarnations: geometric, physical and algebraic. We will develop all three aspects in this course, learning about the integral as area, the integral as relating speed and position, and also learning about computational methods for the integral.

Course Learning Objectives

Our objective is to enable students understand concepts, develop problem solving skills, apply concepts and theories learned in class to solve problems, prepare for higher level courses, and enhance both critical thinking and analytical reasoning abilities.

Homework

Homework assignments will be electronically assigned on MyMathLab (<http://www.pearsonmylabandmastering.com/>) and due roughly twice a week. See the attached hand-out for additional information. Any late MyMathLab assignments may be submitted by 11:59 pm on **Friday, May 5th, 2017** for half-credit. During the course some Mathematica assignments will also be given. A number (to be determined later) of lowest homework scores will be dropped. It is extremely important to do homework assignments, since not only do they contribute to your final grade, but they also help you understand the concepts, hone your skills, and prepare you for the exams.

Attendance

Attendance is not mandatory but strongly recommended. I won't reply to questions asking what is announced or covered in classes you miss. It is your responsibility to know what you miss and you must have contacts of some other students in class so that you may inquire them.

Note that students who do not attend class within the first two weeks of the semester may be dropped from the roll. Attendance verification is done by scanners available in the classroom.

Grading

1. Your final grade is determined by homework (15%), midterms (50%, each worth 25%), final exam (35%). Your lowest midterm grade will be replaced by $(\text{lowest midterm grade} + \text{final exam grade})/2$, if this results in a better grade.
2. There are no make-up exams.
3. Your letter grade is based on the following scheme: F for below 60, D for 60 or above, C- for 70 or above, C for 73 or above, C+ for 77 or above, B- for 80 or above, B for 83 or above, B+ for 87 or above, A- for 90 or above, A for 93 or above.

Calculator Policy

Calculators will NOT be allowed during exams. While I cannot stop you from using a calculator on homework assignments, I encourage you to do the homework without a calculator.

Additional Policies

1. Each student is responsible for work missed due to absences. If a test is missed, a grade of zero will be given.
2. Any person who must miss a scheduled test or quiz because of an official university function must reschedule with the instructor to take the test at a time *before* the test is scheduled to be given. No other rescheduling will be allowed. If asked for by the instructor, official documentation must be provided.
3. A student who wishes to discuss the grading policy, testing policy, or wishes to have a conversation regarding the instructor of the course should make an appointment with the course supervisor in the Department of Mathematics.
4. 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 7:30p.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.

Course Withdrawal

Withdrawal deadline for the 2017 Spring semester is Friday, 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 students academic dean. Dropping the 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.

Tutoring

The department offers free tutoring in the Hume 326 lab. It is open 10:00–6:00 Monday through Thursday and 10:00–5:00 on Friday.

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.

Academic Honesty

The following statement is the policy of Department of Mathematics regarding academic honesty: Cheating on any exam, quiz, classwork, 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. 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.

Schedule of lectures

The following is a tentative schedule of lectures. It is subject to change (depending on our actual pace in class).

Weekly Date Range	Tuesday	Thursday
1/23 → 1/27	Section 4.9	Section 5.1
1/20 → 2/3	Sections 5.1, 5.2	Section 5.2
2/6 → 2/10	Section 5.3	Sections 5.3, 5.4
2/13 → 2/17	Sections 5.4, 5.5	Section 5.5
2/20 → 2/24	Review	Midterm #1
2/27 → 3/3	Section 6.1	Section 6.2
3/6 → 3/10	Section 6.3	Section 6.4
3/13 → 3/17	No class	No class
3/20 → 3/24	Sections 6.5, 6.6	Sections 6.6, 6.7
3/27 → 3/31	Sections 6.7, 7.1	Section 7.2
4/3 → 4/7	Section 7.3	Section 7.4
4/10 → 4/14	Review	Midterm #2
4/17 → 4/21	Section 7.5	Sections 7.6, 7.7
4/24 → 4/28	Section 7.8	Section 7.8
5/1 → 5/5	Review	Review
5/8 → 5/12	Final exam at noon	

To register for Math 262 Section 3:

1. Go to www.pearsonmylabandmastering.com.
2. Under Register, select **Student**.
3. Confirm you have the information needed, then select **OK! Register now**.
4. Enter your instructor's course ID: **le88491**, and **Continue**.
5. Enter your existing Pearson account **username** and **password** to **Sign In**.
You have an account if you have ever used a Pearson MyLab & Mastering product, such as MyMathLab, MyITLab, MySpanishLab, MasteringBiology or MasteringPhysics.
 - If you don't have an account, select **Create** and complete the required fields.
6. Select an access option.
 - Enter the access code that came with your textbook or was purchased separately from the bookstore.
 - Buy access using a credit card or PayPal account.
 - If available, get temporary access by selecting the link near the bottom of the page.
7. From the You're Done! page, select **Go To My Courses**.
8. On the My Courses page, select the course name **Math 262 Section 3** to start your work.

To sign in later:

1. Go to www.pearsonmylabandmastering.com.
2. Select **Sign In**.
3. Enter your Pearson account **username** and **password**, and **Sign In**.
4. Select the course name **Math 262 Section 3** to start your work.

To upgrade temporary access to full access:

1. Go to www.pearsonmylabandmastering.com.
2. Select **Sign In**.
3. Enter your Pearson account **username** and **password**, and **Sign In**.
4. Select **Upgrade access** for **Math 262 Section 3**.
5. Enter an access code or buy access with a credit card or PayPal account.