Course Information

Instructor: Dr. Thái Hoàng Lê.
Office: Hume Hall 337.
Office hours: 1:00 - 2:00 PM on MWF, or by appointment.
Email: leth@olemiss.edu. If you want to contact me by email, make sure to put the name and section of the class on the subject of your email. If not, your email may be skipped.

Text/Software:

- 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

Time/Place: Monday-Wednesday, 7:00pm - 8:15 pm, Hume Hall 111.

Course Description

This course is the first semester of a four-semester calculus sequence at the University of Mississippi. The course will cover material in chapters 2, 3, 4 of Briggs and Cochran’s *Calculus Early Transcendentals*, namely: limits and rates of change, continuity, derivatives, derivative rules, higher derivatives, implicit differentiation, and applications of differentiation.

Course Learning Objectives

Our goals are to enable students to understand the concepts and rules of differentiation, to learn different techniques for finding derivatives, and to 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 along with other courses and enhance critical thinking and analytical reasoning abilities.

Homework

Homework assignments will be electronically assigned on MyMathLab (http://www.pearsonmylabandmastering.com/) and due every week. See the attached hand-out for additional information. Any late MyMathLab assignments may be submitted by 11:59 pm on Friday, May 6th, 2016 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 mandatory and verification is done by scanners available in the classroom. Students are allowed to miss 3 classes without penalty. I won’t reply to questions asking what is announced or covered in classes you miss. It is your responsibility to know these 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.

Grading

1. Your final grade is determined by homework (10%), attendance (5%), midterms (60%, each worth 20%), final exam (25%). Your lowest midterm score will be replaced by your final exam score, if the latter is higher.

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.

**Tutoring**

If you need help with mathematics, you can visit the Math Lab in Hume 326. The Lab is open MTW 2:30-6:30pm, starting February 1.

**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 2016 Spring semester is **Friday, March 4th**. 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 student’s 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.

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

<table>
<thead>
<tr>
<th>Weekly Date Range</th>
<th>Monday</th>
<th>Wednesday</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/25 → 1/29</td>
<td>Section 2.2</td>
<td>Section 2.3</td>
</tr>
<tr>
<td>2/1 → 2/5</td>
<td>Section 2.4</td>
<td>Section 2.5</td>
</tr>
<tr>
<td>2/8 → 2/12</td>
<td>Section 2.6</td>
<td>Section 3.1</td>
</tr>
<tr>
<td>2/15 → 2/19</td>
<td>Review</td>
<td><strong>Midterm 1</strong></td>
</tr>
<tr>
<td>2/22 → 2/26</td>
<td>Section 3.3</td>
<td>Section 3.4</td>
</tr>
<tr>
<td>2/29 → 3/4</td>
<td>Section 3.5</td>
<td>Sections 3.6, 3.7</td>
</tr>
<tr>
<td>3/7 → 3/11</td>
<td>Sections 3.7, 3.8</td>
<td>Section 3.9</td>
</tr>
<tr>
<td>3/14 → 3/18</td>
<td>No class</td>
<td>No class</td>
</tr>
<tr>
<td>3/21 → 3/25</td>
<td>Review</td>
<td><strong>Midterm 2</strong></td>
</tr>
<tr>
<td>3/28 → 4/1</td>
<td>Section 3.10</td>
<td>Section 3.11</td>
</tr>
<tr>
<td>4/4 → 4/8</td>
<td>Section 4.7</td>
<td>Section 4.1</td>
</tr>
<tr>
<td>4/11 → 4/15</td>
<td>Section 4.2</td>
<td>Section 4.3</td>
</tr>
<tr>
<td>4/18 → 4/22</td>
<td>Review</td>
<td><strong>Midterm 3</strong></td>
</tr>
<tr>
<td>4/25 → 4/29</td>
<td>Section 4.4</td>
<td>Section 4.6</td>
</tr>
<tr>
<td>5/2 → 5/6</td>
<td>Section 4.9</td>
<td>Review</td>
</tr>
<tr>
<td>5/7 → 5/13</td>
<td></td>
<td><strong>Final exam at 7:30pm</strong></td>
</tr>
</tbody>
</table>
To register for Math 261 Section 9:

2. Under Register, select Student.
3. Confirm you have the information needed, then select OK! Register now.
4. Enter your instructor’s course ID: le09473, and Continue.
5. Enter your existing Pearson account username and password to Sign In.
   You have an account if you have used a Pearson product, for example: MyMathLab, MyITLab, MyPsychLab, MySpanishLab or Mastering, such as MasteringBiology.
   ➢ If you don’t have an account, select Create and complete the required fields.
6. Select an access option.
   ➢ 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 account.
   ➢ If available, get 14 days temporary access. (The link is near the bottom of the screen.)
7. From the confirmation page, select Go To My Courses.
8. On the My Courses page, select the course tile Math 261 Section 9 to start your work.

To sign in later:

2. Select Sign In.
3. Enter your Pearson account username and password, and Sign In.
4. Select the course tile Math 261 Section 9 to start your work.

To upgrade temporary access to full access:

2. Select Sign In.
3. Enter your Pearson account username and password, and Sign In.
4. Select Upgrade access from the course tile Math 261 Section 9.
5. Enter an access code or purchase access with a credit card or PayPal account.

For a registration overview, go to www.pearsonmylabandmastering.com/students/get-registered. Scroll down to Need a little help? and select a video.