COURSE DESCRIPTION
CALCULUS I
MA 125–8B, 51924
FALL 2016

DEPARTMENT OF MATHEMATICS
UNIVERSITY OF ALABAMA AT BIRMINGHAM

Course Instructor: Professor Yanni Zeng
Office: CH 496A
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Office Hours: Tuesday, Thursday 4pm–5pm (or by appointment)

Meeting times: TR, 2:00–3:50pm
Meeting location: HB 309
Prerequisite: Grade of C or better in MA 106, MA 107 or equivalent. Any student who has not fulfilled the prerequisite will be dropped from the class.
Credits: 4 semester hours

Important dates:
First day of classes: August 29, 2016
Labor Day Holiday: Monday, September 5, 2016
Last day to drop without paying full tuition: September 6, 2016
Last day to withdraw with a “W”: October 21, 2016
Fall/Thanksgiving Break: November 21–25
Last day of class: December 9, 2016

Major exams (tests):
- Test I: near Tuesday, September 27; Sec. 1.1–1.6, 2.1–2.4;
- Test II: near Thursday, October 20; Sec. 2.5, 2.8, 3.1–3.5;
- Test III: near Thursday, November 10; Sec. 3.7, 4.1–4.5;
- Test IV: near Thursday, December 1, Sec. 3.6, 5.1–5.3.

(These dates are approximate and may be slightly shifted due to unforeseen circumstances.)

Final exam: Wednesday, December 14, 2016, 1:30–4PM (Location to be announced.)
NOTE DATE AND TIME OF FINAL EXAM!!

Date: August 15, 2016.

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Course policies:

- Please make sure that you are able to receive e-mail through your Blazer-ID account. Official course announcements will be sent to that address.
- Turn off all cell phones during class.
- If you are contacted by the Early Alert Program, you should consider taking advantage of the services it offers. Various services to assist you are also listed in the Student Resources section of the Blazernet web site.
- If you wish to request a disability accommodation please contact DSS at 934-4205 or at dss@uab.edu.
- The two lowest quiz grades and the three lowest homework grades will be dropped to account for any missed assignments due to illness or any other circumstance. If a test is missed due to a serious verifiable circumstance or official university business, the test grade will be replaced with the properly rescaled final exam score. If you miss the final exam you will receive a zero score for this exam. In all cases you must contact your instructor of such circumstances before the exam takes place.
- Calculators (without internet access) will be allowed during any of the tests or quizzes. In addition, students can bring one quick reference card to tests including the final exam (i.e., a standard size 5'' × 8''-index card; both sides can be used).

Methods of teaching and learning:

- Class meetings of 50 minutes (two sessions each time) consisting of lectures and discussions of examples and homework problems. Time for quizzes, student presentations and four in-class tests is also includes.
- A fraction of your grade will be determined by board presentations and attendance.
- Students are expected to undertake at least 10 hours of private study and homework per week.
- The online homework system WebAssign will be used (look for more information below).

Assessment procedures:

- Student achievement will be assessed by the following measures:
  - Regular online homework; Tuesday quizzes. Online homework will be due on most Tuesdays. Feedback is provided when wrong answers are given. Students are encouraged to retake the homework problems (with randomly changed parameters) until they obtain correct answers. A limited number (at most 3) of takes is allowed during the week in which the set is available. Problems on tests are modeled after homework problems. Staying on top of homework is therefore extremely important. Quiz problems are similar to the homework problem sets. This allows students to gauge whether they are ready
to work problems in a test situation. Homework and quizzes together count for 10% of the course average.

- **Four in class tests** including short questions (Part I) as well as problems requiring in depth understanding (including word-problems). Partial credit is awarded where appropriate. Each test contributes 12% to the course average.

- **A 150-minute comprehensive final examination** including Part I and Part II type problems. The final contributes 30% to the course average.

- **Students’ presentations** count for 6% of the grade. Normally, a student will present at most twice during a presentation session. You will be expected to work assigned problems beforehand and present some of them on the board during the session. To present a problem at the board means to have written a correct solution using complete mathematical sentences, and to have answered all students questions regarding the problem.

- **Attendance** in the course is crucial for your success and counts for 6% of the grade. The roll will be taken in the beginning of every session.

  - Your course performance is your course average (including the final exam score). This is a number between 0 and 100.
  - Your final grade is determined according to the following table:

    | Course performance: | 88-100 | 75-87 | 62-74 | 50-61 | below 50 |
    |----------------------|--------|-------|-------|-------|----------|
    | Final Grade:         | A      | B     | C     | D     | F        |

  - In addition your grade maybe raised by a strong performance on the final exam (normally at most one letter grade).

**Tips:**

- Past tests are available at [www.math.uab.edu](http://www.math.uab.edu) under student resources/test bank.
- Help is available in the Math Learning Lab (HH 202); M–Th 9–8, F 9–5.
- By working steadily and regularly, you will increase your chances to succeed in this course.
- Remember, being a full-time student is a full-time job.

**How to get started on Enhanced WebAssign:**

1. Go to [www.webassign.net](http://www.webassign.net) and click on *I HAVE A CLASS KEY* in the *signin* link.
2. Enter the following course key:

   `uab 9711 8573`

   and proceed. (If prompted for your institution, enter *uab*).
3. When prompted to purchase an access code, select “...trial period” (Do not purchase an access code at this time. However, you must purchase an access code within two weeks for you to continue using the system beyond the two-week trial period.
The system will prompt you to enter your access code when the deadline approaches. Your book may have an access code bundled with it. You must use it.

(4) After your first registration, you can sign in as returning user.

(5) Should you run into technical problems Enhanced WebAssign provides technical support online and/or by phone.

**Sections to be covered:**

- Chapter 1: 1.1 – 1.6.
- Chapter 2: 2.1 – 2.5 and 2.8.
- Chapter 3: 3.1 – 3.7.
- Chapter 4: 4.1 – 4.5.
- Chapter 5: 5.1–5.3.