COURSE DESCRIPTION
CALCULUS III, MA227–6B, SPRING 2022

DEPARTMENT OF MATHEMATICS
UNIVERSITY OF ALABAMA AT BIRMINGHAM

Course Instructor: Dr. H. Zou
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Course Information

Meeting times: MW 10:10 am-12:00 pm
Meeting location: HHB 221
Prerequisite: Grade of C or better in MA 126 or equivalent. *Any student who has not fulfilled the prerequisite will be dropped from the class.*
Credits: 4 semester hours
Textbook: *Essential Calculus* by James Stewart, 2nd edition, Brooks/Cole, 2013, Chapter 10-13.

Important dates

First day of classes: January 10, 2022
Martin Luther King Holiday: January 17, 2022
Last day to drop/Add without paying full tuition: January 18, 2022,
Spring Break: March 14–20, 2022
Last day to withdraw with a "W": March 22, 2022
Last day of class: April 22, 2022
Major exams (tests):   Test 1: near Wednesday, February 16;
                             Test 2: near Monday, April 18;
    (These dates are approximate and may be slightly shifted.)
Final exam: Wednesday, April 27, 2022, 1:30–4 PM
        NOTE DATE AND TIME OF FINAL EXAM!!

Course policies

- **UNTIL FURTHER NOTICE STUDENTS MUST BE WEARING MASKS AND MAINTAIN SAFE DISTANCE!**
- Please make sure that you are able to receive e-mail through your Blazer-ID account. Official course announcements may be sent to that address.

- If your 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 a test is missed due to a serious verifiable circumstance or official university business, the test grade will be replaced with the final exam score. Otherwise, if you miss an exam you will receive a zero score for this exam. In the unlikely event when two or more midterm tests are missed due to a serious verifiable circumstance or official university business, the matter will be resolved on the case by case basis in cooperation between the student, the instructor, and the coordinator of Calculus I classes. In any case you **must** inform 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 $5'' \times 8''$-index card; both sides can be used).

Methods of teaching and learning:

- Class meetings of 110 minutes consisting of lectures and discussions of examples and homework problems. Time also includes two in-class tests.
- 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.** 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. An unlimited number of takes is allowed during the week in which the set is available. Homework contributes 10% to the course average. Problems on tests are modeled after homework problems. Staying on top of homework is therefore extremely important.
  - **(Unannounced) quizzes.** 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. Quizzes and projects contribute 10% to the course average.
  - **Two in class tests.** Partial credit is awarded where appropriate. Each test contributes 25% to the course average.
  - **A 150-minute comprehensive final examination.** The final contributes 30% to the course average.
- 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 `http://www.uab.edu/cas/mathematics/calculus-testbank`.
- 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* and click on *I HAVE A CLASS KEY* in the *signing* link.
(2) Enter the following course key:

uab 8180 6831

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. Considering buying options, you may also want to look at https://www.cengage.com/unlimited/
(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 10: 10.1 – 10.6 (review), 10.7-0.9.
- Chapter 11: 11.1 – 11.8.
- Chapter 12: 12.1 – 12.7.
- Chapter 13: 13.2 – 13.4.