COURSE DESCRIPTION
CALCULUS I
MA 125–CT, 31916
SPRING 2022

DEPARTMENT OF MATHEMATICS
UNIVERSITY OF ALABAMA AT BIRMINGHAM

Course Instructor: Dr. Elena Kravchuk
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Office Hours: Tue/Thu 9:00-9:50 AM (or by appointment)

Meeting times: MTWR 8-8:50 AM.
Meeting location: UH 2007
Prerequisite: Grade of C or better in MA 106, MA 107 MA 125 Math Placement 75 or MA 126 Math Placement 75 or Math Placement Test 76 or Exception Math Placement E or ACT Math 29 or SAT MATHEMATICS (NEW) 680. *Any student who has not fulfilled the prerequisite will be dropped from the class.*
Credits: 4 semester hours
Textbook: *Essential Calculus — second edition* by James Stewart, Thomson-Brooks/Cole, 2013, 2007; ISBN-13: 978-1-133-11229-7. Topics to be covered: Chapters 1 — 5.3.

Important dates:

First day of classes: Monday, January 10, 2022
Martin Luther King Holiday: Monday, January 17, 2022
Last day to drop/add without paying full tuition/fees: January 18, 2022
Spring Break: March 14–20
Last day to withdraw with a grade of "W": March 22, 2022
Last day of class: April 22, 2022

Major exams (tests):	Test I: near Monday, February 7; Sec. 1.1–1.6, 2.1–2.4;
	Test II: near Wednesday, March 2; Sec. 2.5, 2.8, 3.1–3.5;
	Test III: near Wednesday, March 23; Sec. 3.7, 4.1–4.5;
	Test IV: near Monday, April 11, Sec. 3.6, 5.1–5.3.

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

Final exam: Wednesday, April 27, 2022, 1:30–4 PM (Location to be announced.) **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 you wish to request a disability accommodation please contact DSS at 934-4205 or at *dss@uab.edu.*
- 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).
- The University of Alabama at Birmingham expects all members of its academic community to function according to the highest ethical and professional standards. It will be important that you review and become familiar with the University's Academic Integrity Code.

Methods of teaching and learning:

- Class meetings of 50 minutes consisting of lectures and discussions of examples and homework problems. Time also includes quizzes and four 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. A limited number (at most 3) of takes is allowed during the week in which the set is available.

Homework contributes 4% to the course average. Problems on tests are modeled after homework problems. Staying on top of homework is therefore extremely important.

– **Quizzes.** Quiz problems are similar to the homework or test problems. This allows students to gauge whether they are ready to work problems in a test situation. No partial credit will be given. Quizzes contribute 8% to the course average.

– **Four in class tests.** Partial credit is awarded where appropriate. Each test contributes 12% to the course average.

– **Wednesday homework.** Each Wednesday of a week when new material was covered new homework will be assigned. **THIS HOMEWORK IS ADDITIONAL TO WEBASSIGN.** It will be due by Saturday midnight (the deadline is hard). The homework will have to be submitted (uploaded) on Canvas. No partial credit will be given. Wednesday homework contributes 8% to the course average.

– **A 150-minute comprehensive final examination.** The final contributes 32% 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:

YOUR COURSE KEY

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:

Essential Calculus, second edition by James Stewart, Thomson-Brooks/Cole, 2013, 2007, ISBN-13: 978-1-133-11229-7.

- 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.