CALCULUS I
MA125–6C
SPRING 2015

DEPARTMENT OF MATHEMATICS
UNIVERSITY OF ALABAMA AT BIRMINGHAM

Course Instructor: Kyle E. Besing
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Office Hours: Monday and Wednesday 9:00 – 10:00 am (or by appointment)

Meeting times: Monday and Wednesday 12:20 – 2:10 pm
Meeting location: CH 443
Prerequisite: Grade of C or better in MA106, MA107 or equivalent. *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: January 5, 2015
Last day to drop without paying full tuition: January 12, 2015
MLK Holiday: Monday, January 19, 2015
Spring Break: March 23–27, 2015
Last day to withdraw with a "W": March 30, 2015
Last day of class: April 17, 2015

Major exams (tests):
Test I: near Wednesday, February 4; Sec. 1.1–1.6, 2.1–2.4;
Test II: near Wednesday, February 25; Sec. 2.5, 2.8, 3.1–3.5;
Test III: near Wednesday, March 18; Sec. 3.7, 4.1–4.5;
Test IV: near Wednesday, April 8, Sec. 3.6, 5.1–5.3.

(These dates are approximate and may be slightly shifted due to unforeseen circumstances.)
Final exam: Wednesday, April 22, 2015, 1:30–4PM (Location to be announced.)

Course policies:

- 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*.
- The two lowest quiz grades and the two 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 (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 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.** Homework will be due regularly. Generally, you will have a week to complete homework after the material is covered in class. 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 5% to the course average. Problems on tests are modeled after homework problems. Staying on top of homework is therefore extremely important.
  - **(Unannounced) quizzes and projects.** 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.
  - **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 37% 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).

- Additional points on tests can be earned by presenting solutions to specific problems in class. These problems (and the number of points) will be announced separately from normal homework problems.

Tips:
- Past tests are available at `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* and click on *I HAVE A CLASS KEY* in the *signin* link.
(2) Enter the following course key:

uab 2948 5298

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:
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.