COURSE DESCRIPTION CALCULUS I MA 125–6D, 51922 FALL 2015

DEPARTMENT OF MATHEMATICS UNIVERSITY OF ALABAMA AT BIRMINGHAM

Course Instructor: Seonguk Kim Office: CH 476A E-mail: ksw8755@uab.edu Office Hours: Monday 1:30-2:30 PM, Wednesday 4:30-5:30PM (or by appointment)

Meeting times: MW, 2:30–4:20PM

Meeting location: HHB 121

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

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: August 24, 2015
Last day to drop without paying full tuition: August 31, 2015
Labor Day Holiday: September 7, 2015
Last day to withdraw with a "W": October 23, 2015
Fall/Thanksgiving Break: November 23–27
Last day of class: December 2, 2015
Test I: near Monday, September 21; Sec. 1.1–1.6, 2.1–2.4; Test II: near Wednesday, October 14; Sec. 2.5, 2.8, 3.1–3.5; Test III: near Wednesday, November 4; Sec. 3.7, 4.1–4.5; Test IV: near Wednesday, November 18, Sec. 3.6, 5.1–5.3.
(These dates are approximate and may be slightly shifted due to unforeseen circumstances.)

Final exam: Wednesday, December 9, 2015, 1:30–4PM (Location to be announced.)

Date: August 13, 2015.

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.
- \bullet 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 50 minutes consisting of lectures and discussions of examples and homework problems. Time also includes quizzes, projects 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 on most Mondays. 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.

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- 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:
- 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 4594 6317

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.