

COURSE DESCRIPTION
CALCULUS II
MA 126-6C
SPRING 2013

DEPARTMENT OF MATHEMATICS
UNIVERSITY OF ALABAMA AT BIRMINGHAM

Course Instructor: Dr Junfang Li

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Office Hours: Monday, Wednesday 2:30 p.m.– 3:30 p.m. (or by appointment)

Meeting times and location:

MA 126–6C, UBOB 208, MW 12:20–2:10PM

Prerequisite: Grade of C or better in MA 125 or equivalent

Credits: 4 semester hours

Textbook: *Essential Calculus — Early Transcendentals 2/e* by James Stewart, Thomson-Brooks/Cole, 2012; Topics to be covered can be found in Chapter 10, Chapters 5 — 8 and parts of Chapter 9.

Important dates:

First day of classes: January 9, 2013

Last day to drop without paying full tuition: January 16, 2013

MLK Holiday: January 21, 2013

Spring Break: March 17–23, 2013

Last day to withdraw with a “W”: March 28, 2013

Last day of class: May 1, 2013

Major exams (tests): Test I: near W., January 30; 10.1-10.5, 9.1, 10.7;
Test II: near W., February 27; 5.1-5.5, 6.1-6.3;
Test III: near W. March 27; 6.6, 7.1–7.4, 9.2, 10.8
Test IV: near W., April 24; 8.1–8.7

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

Final exam: May 4, **Saturday**, 2013, 4:30–7:00 p.m. (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 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 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. You must contact instructor of such circumstances before the exam takes place.
 - No books, notes, calculators, or any electronic devices will be allowed during any of the tests or quizzes.
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Methods of teaching and learning:

- Class meetings of 100 minutes for MW classes and 50 minutes for MTWR classes 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).
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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. Three attempts on each problem are 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. Homework due dates are firm and you will **not** get a chance to complete these problems for credit after the due date!!
 - **Unannounced quizzes.** Quiz problems are similar to the homework problem sets or Lab assignments. This allows students to gauge whether they are ready to work problems in a test situation. Quizzes contribute 9% to the course average.
 - **Four in class tests** including short questions (Part I) as well as problems requiring in depth understanding (including word-problems) for which 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 33% 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
A strong performance on the final exam may raise your final grade by one letter grade.
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Tips:

- 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.
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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:

MTWR 8AM Class: **uab 6343 0787**

- 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.
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Sections to be covered: *Essential Calculus — Early Transcendentals 2/e* by James Stewart, Thomson-Brooks/Cole, 2012.

- Chapter 10: 10.1 – 10.5, 10.7, 9.1 (from Chapter 9).
- Chapter 5: 5.1 – 5.5.
- Chapter 6: 6.1 – 6.3, 6.6.
- Chapter 7: 7.1 – 7.4, 7.6, 9.2 and 10.8 (from Chapters 9 and 10, respectively).
- Chapter 8: 8.1 – 8.7.