

**COURSE DESCRIPTION**  
**CALCULUS II**  
**MA 126 - 8C**  
**SPRING 2016**

DEPARTMENT OF MATHEMATICS  
UNIVERSITY OF ALABAMA AT BIRMINGHAM

**Course Instructor:** Houssam Abdul-Rahman  
**Office:** CH 472  
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**E-mail:** houssam@uab.edu  
**Office Hours:** Monday 10:30 AM – 12:30 PM (or by appointment)  
**Check:** <http://people.cas.uab.edu/~houssam/Teaching.html>.

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**Meeting times:** TR 5:00 pm – 6:50 pm.  
**Meeting location:** EB 145  
**Prerequisite:** Grade of C or better in MA 124, MA 125 or equivalent  
**Credits:** 4 semester hours  
**Textbook:** *Essential Calculus, 2nd Edition* by James Stewart, Thomson-Brooks/Cole, 2013 (**must have Enhanced WebAssign Access Code**); Topics to be covered can be found in Chapters 5 — 8 and Chapter 10. (See below for more detail.)

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**Important dates:**

**First day of class:** January 11, 2016,  
**Last day to drop without paying full tuition:** January 19, 2016,  
**Spring Break:** March 21 – 25, 2016,  
**Last day to withdraw with a “W”:** April 1, 2016  
**Last day of class:** April 22, 2016  
**Major exams (tests):** **Test I:** near Tuesday, February 9; Sections: 4.5, 5.1–5.3, 5.6, 5.8, 6.1–6.3, 6.5, 6.6;  
**Test II:** near Thursday, March 17; Sections: 7.1–7.3, 7.6, 8.1–8.7;  
**Test III:** near Tuesday, April 19; Sections: 10.1–10.5, 10.7, 10.8.  
(These dates are approximate and may be slightly shifted due to unforeseen circumstances.)  
**Final exam:** Wednesday, April 27, 1:30 PM – 4:00 PM (Location to be announced.)

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**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.

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*Date:* January 5, 2016.

- 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](mailto:dss@uab.edu).
- The lowest midterm test grade will be dropped to account for any missed test due to illness or any other circumstance. If more than one test is missed due to serious verifiable circumstances or official university business, the test grade will be replaced with the properly rescaled final exam score. You must advise the instructor of such circumstances **before** the exam takes place. A missed final exam gets a score of zero.
- No books or notes will be allowed during any of the tests or quizzes.
- Calculators which do not have access to the internet will be allowed during tests and/or quizzes.
- A 5" × 8" Quick Reference Card made by the student will also be allowed on all major exams (tests and final exam), but not on quizzes.

### Methods of teaching and learning:

- Class meetings of 110 minutes consisting of lectures and discussions of examples and homework problems. Time also includes quizzes, projects and three 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. Homework contributes 10% to the course average. Problems on tests are usually 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. Some time will be devoted to in-class projects. Quizzes and projects contribute 10% to the course average.
  - **Three tests** including short questions as well as problems requiring in depth understanding (including word-problems). Two best tests contribute 20% each to the course average.
  - **A 150-minute comprehensive final examination.** The final contributes 40% 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 may be raised by a strong performance on the final exam (normally at most one letter grade).

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**Tips:**

- Help is available in the Math Learning Lab (HHB 202); M–Th, 9:00 AM –8:00 PM, F 9:00 AM –3:00 PM. It is closed during official UAB holidays and breaks. Limited hours are available during final exams.
- Past exams given in Calculus II are posted on the math dept website [www.math.uab.edu](http://www.math.uab.edu) for student practice. Click on *Calculus Testbank* under the *Student Resources* link.
- 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](http://www.webassign.net) and click on *I HAVE A CLASS KEY* in the *signin* link.
- (2) Enter the following course key for MA 126 – 8C, 5:00 PM – 6:50 PM:

**uab 6457 2065**

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.) **If you already have an active WebAssign account associated with this edition of the textbook, you may simply add this course to your account by using the above Course Key.**
- (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, 2nd Edition* by James Stewart, Thomson-Brooks/Cole, 2013.

- Review for Chapter 4: 4.2 – 4.5.
  - Review for Chapter 5: 5.1 – 5.3.
  - Chapter 5: 5.6, 5.8.
  - Chapter 6: 6.1 – 6.3, 6.5, 6.6.
  - Chapter 7: 7.1 – 7.3, 7.6.
  - Chapter 8: 8.1 – 8.7.
  - Chapter 10: 10.1 – 10.5, 10.7 – 10.8
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