COURSE DESCRIPTION
CALCULUS I
MA 125–6B, 51920
FALL 2012

DEPARTMENT OF MATHEMATICS
UNIVERSITY OF ALABAMA AT BIRMINGHAM

Course Instructor: Professor Nikolai Chernov
Office: CH 492A
Phone#: (205) 934-2154
Office Hours: Tuesday, Thursday 2:00–3:00 PM (or by appointment)

Meeting times: Monday Wednesday, 10:10 AM – 12:00 noon
Meeting location: EB 133
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 — Early Transcendentals, Second edition* by James Stewart, Thomson-Brooks/Cole, 2013; Topics to be covered: Chapters 1 — 4.

Below is the link to the personalized website for UAB Calculus where students can purchase their course materials directly from Cengage Learning at a discount.

http://www.cengagebrain.com/micro/5PI-2OWN

Option #1: Loose leaf bundle (3-ring binder) version of the Stewart textbook packaged together with Enhanced WebAssign access (includes full eBook). MICROSITE PRICE $120

Option #2: eBook only: access to Enhanced WebAssign student will use eBook available within the platform and not purchase a printed textbook. MICROSITE PRICE $95

Option #3: Hardbound bundle: hardbound version of the full textbook packaged together with Enhanced WebAssign access (includes full eBook). MICROSITE PRICE $156

Important dates:

   First day of classes: August 15, 2012
   Last day to drop without paying full tuition: August 22, 2012
   Labor day holiday: September 3, 2012
   Fall break: October 11–14, 2012
   Last day to withdraw with a "W": October 26, 2012
   Thanksgiving: November 21–25, 2012.
   Last day of class: December 5, 2012.

Major exams (tests):	
	Test I: near Wednesday, August 29, 1.1–1.6
	Test II: near Wednesday, September 26, 2.1–2.7
	Test III: near Wednesday, October 24, 2.8, 4.6, 3.1–3.3, 3.5, 3.7
	Test IV: near Wednesday, November 28; 4.1–4.5, 4.7

   (These dates are approximate and may be slightly shifted due to unforeseen circumstances.)
   Final exam: Saturday, December 8, 2012, 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 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. You must contact the instructor of such circumstances **before** the exam takes place.
- No books, notes, or calculators will be allowed during any of the tests or quizzes.
- This syllabus and some other course materials can be downloaded from the instructor's web page: `www.math.uab.edu/~chernov/teach.html`

Methods of teaching and learning:

- Class meetings of 110 minutes consisting of lectures and discussions of examples. 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 on most Mondays. There will be no extension of deadlines for any reason (however, the lowest two grades will be dropped). 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 10% to the course average. Problems on tests are modeled after homework problems. Staying on top of homework is therefore extremely important.
  - **Unannounced/announced 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. Quizzes contribute 10% to the course average. Lowest two quiz grades will be dropped.
  - **Four in class tests** including short questions for which either full credit or no credit is awarded (Part I) as well as problems requiring in depth understanding (including word-problems) for which partial credit is awarded where appropriate. Each test contributes 10% to the course average.
  - **A 150-minute comprehensive final examination** including Part I and Part II type problems. 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 maybe raised by a strong performance on the final exam (normally at most one letter grade).

Tips:
- Help is available in the Math Learning Lab (HH 202); M–Th 9–8 and 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 7074 8302

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 — Early Transcendentals*, Second Edition, by James Stewart, Thomson-Brooks/Cole, 2013.
- Chapter 1: 1.1 – 1.6.
- Chapter 2: 2.1 – 2.8.
- Chapter 3: 3.1 – 3.3, 3.5, 3.7.
- Chapter 4: 4.1 – 4.7.