

Math 232: Calculus II
T,Th 2:00-3:15pm
Phillips 247

Instructor: Jason Newport

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Office: Phillips 324B

Office Hours: T,Th 3:30-4:30pm and W 1-2pm

Course Webpage: <http://www.unc.edu/~jnewport/math232/>

Honour Code: It is expected that each student in this class will conduct himself or herself within the guidelines of the Honor System. All academic work should be done with the high level of honesty and integrity that this University demands.

Text: *Calculus: Concepts and Contexts*, James Stewart, 3rd Edition.

Course Description: Math 232 is a calculus course designed to strengthen your understanding of integral calculus. Major topics are divided into four units of study listed below.

Materials to be Covered:

- Chapter 5: Techniques of Integration
- Chapter 6: Applications of Integrals
- Chapter 7: Differential Equations
- Chapter 8: Sequences and Series

Course Expectations: You will be expected to be comfortable with the fundamental concepts from your first semester calculus class. In particular, you must be very familiar with the concepts of limits, derivatives, and integrals. You must also be very familiar with pre-calculus topics such as basic algebra, graphing functions, and working with trigonometric functions.

Prerequisites: In order to be eligible for this course, AT LEAST ONE of the following must be true:

1. You earned at least a 3 on the AB-AP exam.
2. You earned at least a 3 on the AB subscore on the BC-AP exam.
3. You earned a grade of C- or higher in math 231.
4. you have special permission from the Director of Freshman Courses.

NOTE: Math 152 is not an acceptable prerequisite for Math 232. If you are not sure about your placement, see Elizabeth McLaughlin in Phillips 374.

Calculator: No Calculators, computers, etc. allowed.

Grading System:

Homework	20%
Test 1	20%
Test 2	20%
Final	40%

Attendance: You are expected to be in class each day. Make-up tests are not given.

Homework: I will post homework assignments on the course webpage: <http://www.unc.edu/~jnewport/math232/>

Tests: There will be two in-class tests on the following dates:

- Test 1: Thursday, September 20th, 2007
- Test 2: Thursday, October 25th, 2007.

Final Exam: The comprehensive final exam will be given on December 13th, 2007 at 4pm. You must have an official examination excuse in order to take a Make-up exam. This excuse must be signed by a Dean (in Steele Building). You must bring this excuse, along with a picture ID to the exam. ABSOLUTELY NO EXCEPTIONS!

Resources:

Math Help Center: Phillips 224, Monday-Thursday. <http://www.math.unc.edu/HelpCenter/>
Course Webpage: <http://www.unc.edu/~jnewport/math232/>