

Call # 20765  
Times: 11:00-12:25, MWF  
Room: ED 131

# Math 211 Calculus I

Spring 2008

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Office Hours: 12:30 – 2:00 pm, Mon & Wed. Other times by appointment.  
Course Website: <http://www.lions.odu.edu/~gwilliam/teaching/m211-s08/>

Catalog Description: A first course in calculus and analytic geometry. Topics include differentiation and integration of algebraic and transcendental functions of one variable, and applications.

Prerequisites: MATH 162M and MATH 163.

Text: University Calculus, Hass, Weir, Thomas, Pearson Addison-Wesley

Goals & Objectives: Math 211 systematically develops the differential calculus of functions of a single variable. Limits (Ch.2), the derivative and its properties (Chs. 2-4) are covered fully. Definite and indefinite integrals and their applications are investigated (Chs. 5-6). Integration by parts is also discussed (Sec. 7.1)

Grading Policy : **Lab Assignments 10%** (other items may also be included)  
**Homework 15%**  
**Class Tests 45%** (three tests, dates to be announced in class)  
**Final Examination 30%** (**Monday, May 5, 8:30-11:30am, ED 131**)

Grading Scale:	90-91.9: A-	92-100: A		
	80-81.9: B-	82-87.9: B	88-89.9: B+	
	70-71.9: C-	72-77.9: C	78-79.9: C+	
	60-61.9: D-	62-67.9: D	68-69.9: D+	
		0-59.9: F		

## Laboratory Assignments:

MATH 211 is a four credit-hour course, with one additional contact hour per week devoted to computer laboratory assignments. These assignments are comprised of

- **Prerequisite Diagnostic Assessment and Tutorials (PDAT)** - counts as 2 labs

Designed to assess your background in algebra and trigonometry, the PDAT covers nine topic areas:

- |                           |              |                          |
|---------------------------|--------------|--------------------------|
| A. Exponents and Radicals | D. Equations | G. Polynomial Division   |
| B. Factoring              | E. Lines     | H. Logarithmic Functions |
| C. Rational Expressions   | F. Functions | I. Trigonometry          |

The initial assessment will be conducted in class, with paper and pencil. Each topic area will be represented by 1, 2, or 3 questions. If you provide correct answers on all questions within the area, you pass that portion of the PDAT. Each area counts as 10 points, for a total of 90 points (will be scaled down for grade computation).

If you get at least one answer in a topic area wrong, then you are not given credit for that area. To re-capture the missing 10 points, **correctly** answer **all** the questions on the corresponding Online Tutorial before 10 p.m. on Sunday, January 27. Your instructor will provide you with further information.

- **In-class Lab Assignments**

A closed-lab class period will be designated for work on these labs. Your instructor will announce whether additional work can also be performed in the open lab, as well as the corresponding deadline for completing the assignment.

Typically, you will work on the lab assignments with a partner. **The work must be spread equally between all members of a team.** For example, it is not acceptable for a team to split a lab assignment into two parts and for each student to work on one part only. Any violation of this rule will be considered a breach of the ODU Honor Code. If neither you nor your partner can come up with a solution to a problem, either math or computer related, then get help. The instructor and/or lab assistants will be available whenever the lab is open.

All students enrolled in this class are required to have a working NetWare account issued by the OCCS. If you do not have such an account, you must request it immediately at the URL <http://season.odu.edu> (on the main screen select "NetWare" - this will take you to a screen where you can request a new account).

- **Take-home Lab Assignments**

A number of assignments will be completed individually using an online homework system. Further details will be provided by the instructor.

**Quizzes:** A number of short quizzes will be given throughout the semester. Each quiz will be related to the material recently covered in class. Quizzes may or may not be announced. The two lowest quiz scores will be dropped from the student's record. They are intended to cover up to two absences due to an illness, or whatever other reason. Under exceptional circumstances, beyond the student's control (e.g. a hospitalization), if you miss more than two quizzes, an additional quiz score will be dropped. There will be no make-up quizzes.

**Class Tests:** Four class tests will be given. You must take each test when it is administered, as there will be no make-ups. Under exceptional circumstances, beyond the student's control, if you miss a test, final exam grade may be recorded for ONE (and only ONE) missed test. You must provide written documentation of the reason for missing the test (e.g. a document certifying your hospitalization), no later than one week after the test. If this explanation is approved by the instructor, the test grade will be adjusted. Otherwise, a score of zero will be entered for the missed test.

**Final Exam:** The Final will be a comprehensive, 3-hour exam.

**Last day to withdraw:** Tuesday, March 18, 2008.

**Disability Services Policy:** Reasonable accommodations will be made for students with disabilities provided those students have registered with the Office of Disability Services (683-4655).

**Help Sessions and open lab:** Department of Mathematics and Statistics makes help sessions and open lab hours available to all Calculus I students in Ed 126. The schedule will be posted under the URL <http://www.math.odu.edu/lab>.

**Honor Code:** By enrolling in this course you agree to adhere to the honor code on all written work: "I pledge to support the Honor System of Old Dominion University. I will refrain from any form of academic dishonesty or deception, such as cheating or plagiarism." I am aware that as a member of the academic community, it is my responsibility to turn in all suspected violators of the honor code.

During exams spread out as much as possible and try not to sit next to another student. The instructor reserves the right to relocate any student(s) to ensure the Honor Code is not compromised. An Honor Code Signature Line is required on all written work turned in for a grade. However, you are free to collaborate on any homework exercises not turned in for a grade.

The quizzes, tests, and the final exam are "closed book", "closed notes"; no calculators, or any other devices (including cellular phones) are allowed.

**Writing Policy:** The quizzes, tests, and the final exam will require that you respond in writing to present a solution, derivation or proof. All work, whether it uses standard or symbolic writing, must be presented in a clear and logical form, and be reasonably free of spelling, grammar and punctuation errors. To receive full credit on quizzes, tests, or the final exam, show all work in arriving at your answers.

**Attendance Policy:** Every student is expected to attend all classes. Absences can have a **considerable** negative effect on a student's learning and performance; in particular, unexcused absences during tests, quizzes, or labs will directly affect your grade (see the test, quiz, and lab policies above). If you must miss a class, you are expected to get the notes from other students.