

Time: MTWR 8:30am - 11:00am, 6/30/14 - 8/7/14**Place:** Votey 205

Instructor: Nicholas Allgaier

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email: nicholas.allgaier@uvm.educourse website: <http://www.uvm.edu/~nallgaie/teaching/21.html>**Office Hours:** Tuesday, Thursday 12:30-2:00pm, or by appointment.**Textbook:** *Calculus: Early Transcendentals, Seventh Edition*, by James Stewart. A fully electronic version with Webassign access is available through the UVM bookstore, or you may opt for a (more expensive) hybrid paperback/e-book version (also with Webassign access), that you can obtain either from the bookstore or from Amazon: [ISBN:1-1114-2668-6](#). Webassign class key: uvm 0844 9137**Content:** After a review of functions we will study differential calculus, including limits, derivatives, differentiation rules, and applications of the derivative (such as optimization and curve sketching), and then finish with an introduction to integral calculus. This corresponds roughly to chapters 1 through 5 in the textbook, and we will spend about one week on each chapter.**Homework:** Homework must be completed online, through the Enhanced WebAssign system associated with the textbook, at <http://www.webassign.net>. You are free to discuss homework problems and seek assistance as needed, but *all submitted work must be your own*.**Labs:** We will use *Mathematica*, a computer algebra system, to study functions and solve mathematical problems. Mathematica is available (free) for all platforms (Windows, Mac OS X, Linux) from the [UVM Software Archive](#), or you can find it already installed on the computers in Votey (and possibly others around campus). There will be approximately 4 Mathematica labs assigned; you will be required to hand in the output of these efforts.**Quizzes:** There will be 2 quizzes, assigned on the Thursdays of July 17th and July 31st. The quizzes will be online at <http://www.webassign.net> like the homework, however you may not discuss the quizzes with anyone. You will have two days in which to complete each one, (Thursday and Friday).**Midterms:** There will be two take-home midterm exams, the first assigned on Thursday, July 10th, and the second on Thursday, July 24th. Each will be due the Monday after it is assigned, at the start of class. As with the quizzes, students may not discuss the midterm exams with anyone other than the instructor.**Final:** The final exam will be in class on Thursday, August 7th, at the normal time and place.**Calculators:** Calculators will not be permitted during the final exam, and students are *strongly encouraged* not to use them for quizzes or midterms.**Grading:** Your grade will be the better of:

- (1) 20% for your homework average, 10% for your lab average, 15% for your quiz average, 15% for each of the two midterm exams, and 25% for your final exam.
- (2) Your final exam grade (100%), *provided* you have attended class regularly (missed no more than 2 classes), and completed all assignments (i.e. you may not use this option as a loophole for avoiding class or assignments).

Attendance: You are expected to attend *every* class. If you have an important obligation that precludes you from attending, please discuss it with me (in person or by email) in advance. If you cannot attend because you are sick, please inform me by email as soon as possible. *You are responsible for the material that we cover in class, whether or not you are present.* In particular, if you miss class you are expected to read the textbook, get the class notes, and do the homework so that you are caught up with the rest of the class when you return.

Remarks:

- Please bring your questions about the course material to class and to office hours. Make sure the question is important and can not be answered by a google search if you are going to send an email about it.
- Each student is required to visit my office hours at least once during the semester.
- I may convey important information to you via your UVM email account. If you do not use your firstname.lastname@uvm.edu account, please have mail from this account forwarded to an account you check frequently. Also, when emailing me, please include **Math 21** in the subject line.
- Please turn off your cellphone during class. Students observed texting will lose points for class participation.
- Offenses against academic integrity are any acts which would have the effect of unfairly promoting or enhancing one's academic standing within the entire community of learners. Such acts are serious offenses, which insult the integrity of the entire academic community of the University. Any suspected violations of the policy will not be tolerated and all allegations will be forwarded to the Center for Student Ethics & Standards.
- UVM, through its ACCESS office, provides accommodation, consultation, collaboration and education support services to students with disabilities. To contact the ACCESS office, go to: <http://www.uvm.edu/access/>; email them at access@uvm.edu; or call at 656-7753. If you need specific accommodations in this class, please bring a letter from ACCESS as early as possible so that we can make appropriate arrangements.
- UVM Religious Holidays Policy: Please submit in writing by the end of the second week of classes your documented religious holiday schedule for the semester. Students who miss work for the purpose of religious observance will be permitted to make up this work.