

MATH2202 Multivariable Calculus
Spring 2016 295S Stokes MWF10/MWF11
Dan Chambers

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<http://www2.bc.edu/daniel-chambers>

Multivariable calculus has a rich history, interesting mathematics, and many applications. In this class we will explore all of these. Topics include vectors and vector valued functions, functions of several variables, multiple integrals, and vector calculus.

The text is **Multivariable Calculus, 4th edition, Cengage; ISBN: 9780495780564**, by Stewart. The BC Bookstore has the text bundled with a student study guide; if you buy the book elsewhere, you do not need the study guide.

How to reach me: my office is 543 Maloney Hall; 2-3769; email is the most reliable method of reaching me.

Office Hours: M 1-2, W 2-3, F 12-1, or by appointment.

Discussion section: You will meet for a 4th hour each week, for a discussion section led by Tom Cremaschi. Tom's office hours Tu 1:30-2:30, W 1-2, F 1-2 (Maloney 534).

Calculator: A calculator will be needed for homework. Graphing calculators are encouraged; calculators will **not** be allowed on exams.

Homework will be assigned daily. It will be collected weekly, generally on Wednesdays, graded, and returned. The problems assigned will be a mixture of routine, straightforward problems that test basic understanding of the material as well as more challenging problems. I will post correct solutions and you should look over any mistakes and make sure you understand the solutions. If you are having trouble with the homework problems, Tom and I available for assistance and hints. Late homework will **not** be accepted but I will drop the lowest homework score. You may discuss problems with others, but your write up should be your own. Please use standard-sized paper (not ripped from a spiral notebook) and make sure to staple- no paper clips or folded corners.

Class attendance: **attend!** Attendance is very important, as is careful note-taking. There will sometimes be gaps in what I present, such as: "Finish the problem yourself later;" do so. I welcome questions in class.

Exams: there will be three semester exams and a cumulative final. You are only allowed a make-up for a missed exam for a serious reason. If you must miss one, please clear it with me beforehand. You'll need an okay from your dean for a missed exam. Planned exam dates are: Friday, February 12; Wednesday, March 16; and Wednesday, April 13. If these need to be adjusted, I will give you plenty of warning. For those meeting MWF10, the final exam will be Monday, May 16 at 12:30; for those with MWF11 lecture, it will be Thursday, May 12 at 12:30.

Semester grades will be based on homework (10%), midterm exams (20% each), and final exam

(30%).

Class website: www2.bc.edu/daniel-chambers and follow the link to MATH2202. This will contain the homework assignments and solutions, handouts, and other information.

Resources include office hours for Prof. Chambers and Tom Cremaschi. The mathematics department offers free walk-in tutoring in Maloney 560. Hours will be announced once the schedule is set. The Connors Family Learning Center (617-552-8093) has free one-on-one tutoring available by appointment. This tends to be popular, so set up appointments early if you're interested in this.

If you are a student with a documented disability seeking reasonable accommodations in this course, please contact Kathy Duggan, (617) 552-8093, dugganka@bc.edu, at the Connors Family Learning Center regarding learning disabilities and ADHD, or Paulette Durrett, (617) 552-3470, paulette.durrett@bc.edu, in the Disability Services Office regarding all other types of disabilities, including temporary disabilities. Advance notice and appropriate documentation are required for accommodations.

Finally, make sure your work is your own (see above for homework collaboration). Academic honesty is essential and cases of cheating will be taken seriously, including a zero on an exam or assignment. University procedures will be followed for any infractions; see www.bc.edu/integrity for these.