

**Math 233H (Section 001), Multivariable Calculus
Fall 2020**

TuTh 1:15-2:30, Chapman 201
Instructor: Michael Taylor

Text: *Multivariable Calculus*, by Michael Taylor

This text is available on the instructor's website. See
<http://mtaylor.web.unc.edu/>
Click on "Multivariable Calculus."

This is the honors section of third semester calculus. Material covered in the first two semesters (in Math 231–232) is the prerequisite. The text for the course treats the following material:

- Chapter 1. Basic one variable calculus (a review)
- Chapter 2. Multidimensional spaces
- Chapter 3. Curves in Euclidean space
- Chapter 4. Multivariable differential calculus
- Chapter 5. Multivariable integral calculus
- Chapter 6. Calculus on surfaces
- Chapter 7. Differential forms and the Gauss-Green-Stokes formula

The course will concentrate on the material in Chapters 2–6 of this text, with material from Chapter 7 as time permits.

Grading

Test 1	100 pts	Sept. 17
Test 2	100 pts	Oct. 22
Final Exam	200 pts	
Total	400 pts	

Students are reminded to observe the university's honor system.