
General Information

Instructor: Matthew Blair
Email: mblair@math.jhu.edu
Course Website: http://www.math.jhu.edu/~mblair/202.html
Office: Kreiger 220
Office Hours: Wednesday 1-3 pm in Kreiger 220, and by appointment.


Meeting times/location

Lecture: Monday, Tuesday, and Wednesday at 10 am in Olin 305.

Recitation Sections:
Section 5: Thursday, 9 am, Kreiger 302 (Breiner)
Section 6: Thursday, 12 pm, Blmb 274 (Breiner)
Section 7: Friday, 9 am, Kreiger 308 (Dahl)
Section 8: Friday, 12 pm, Blmb 278 (Dahl)

Course Description

This course provides an introduction to differential and integral calculus in multiple variables. We begin with the differentiation of functions of several variables and its applications. Next comes integration, where we discuss double and triple integrals in Euclidean space as well as changing variables in such integrals. We then discuss integrals over paths and surfaces, leading up to the theorems of Green, Stokes, and Gauss, which are higher dimensional versions of the fundamental theorem of calculus.

The course will cover most of the content in Marsden and Tromba.

Grading Scheme

Your course grade will be determined by the following:

<table>
<thead>
<tr>
<th>Component</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>Homework</td>
<td>20%</td>
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<tr>
<td>Midterms</td>
<td>45%</td>
</tr>
<tr>
<td>Final</td>
<td>35%</td>
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Exams

The largest portion of your total grade will be determined by your performance on three exams, two midterms and a final exam. More information regarding date and the content of the midterm will be provided in class as the time approaches. The final exam will be held on Thursday, May 11, 9 am-12 pm, location to be announced. No makeup exams will be allowed.
Homework

A strong commitment to solving problems outside the classroom is crucial for your success in this course. Homework will be collected weekly during recitation, except on the weeks of the midterms. Assignments will be posted on the course website. Late homework will not be accepted. You are encouraged to work with others on homework, however you must write up each assignment on your own.

On each assignment, only a few select problems will be graded thoroughly. However, your assignment will be checked for completeness as well, to make sure that all parts have been worked out. It is very important that you show your work on each assignment, as your grades will largely be based on what you have demonstrated, not the answer on the bottom line. Please take care to hand in a neat, legible assignment and staple the pages together in the corner.

You are also expected to read the textbook outside of class. Reading sections in the book before they are discussed in class will help you to get the most out of class time and to stay on top of the material.

Math Help Room

The math help room is an excellent place to get help outside of office hours. It is staffed with experienced tutors that can answer your questions and assist you with homework problems. It is located in Krieger 213 and open 9 am - 9 pm Monday-Thursday and 9 am - 5 pm on Friday.

Academic Integrity

Academic dishonesty will not be tolerated. Any violations of academic ethics will be investigated thoroughly and penalized accordingly.