Math 222: Spring 2020  
Advanced Multivariable Calculus

1 Instructor

• Name: Aaron Pollack  
• Office: Physics 213  
• email: apollack@math.duke.edu  
• course website: https://services.math.duke.edu/~apollack/teachingS20.html  
• Office hours: See course website. I am also always happy to meet you by appointment if you cannot attend my scheduled office hours. Physics 213.

2 Course information

• Course meeting: Mondays and Wednesdays, 8:30am - 9:45am, Physics 259  
• Prerequisites: Math 221  
• Grade to be based on: homeworks, quizzes, exams.  
• Textbook: Vector Calculus, sixth edition, by Marsden and Tromba

3 Grading

• Exams: Two midterm exams, 25% each. The exams will be Wednesday 12 February 2020 and Wednesday 25 March 2020  
• Homeworks: Weekly, due Wednesday at the beginning of class, unless announced otherwise.  
• Quizzes: every now and then, in class, announced at least 1 week prior.  
• Combined amount for homeworks and quizzes: 15%  
• Final exam: 35%. The final exam will be cumulative. Final exam date: May 1 2020, 7pm-10pm in Physics 259.

Disclaimer: The percentages above should be taken as rough guidelines; they are not binding in any way. They are only meant to give you a sense of the relative importance of each type of work to your final grade.
4 Homework

The only way to learn the concepts and techniques, and to do well in this course is to work through all of the homework problems. This will ensure that you do not get a false sense of security about if you truly understand the material. However, working with your peers is acceptable. You must write up the solutions to the problems yourself.

- Copying solutions from others or a solutions manual will be deemed academic misconduct. If you worked with peers to solve a problem, you should acknowledge on your homework who you worked with.
- Homework must be written clearly. All work must be shown.
- Please staple your homework.
- Late homework will not be accepted.

5 Administrative policies

- University-excused absences: If you will miss one of the midterms due to religious observation or for representing the university in varsity athletics, you must email me at the above email address no later than two weeks before the absence, but preferably as soon as possible.
- If a student is found responsible through the Office of Student Conduct for academic dishonesty on a graded item in this course, the student will receive a score of zero for that assignment, and instructor reserves the right to further reduce the final grade for the course by up to two letter grades, at the discretion of the instructor. If a students admitted academic dishonesty is resolved directly through a faculty-student resolution agreement approved by the Office of Student Conduct, the terms of that agreement will dictate the grading response to the assignment at issue.
- Please review the university policies regarding the short-term illness notification form, or STINF.