AMAT/TMAT 218: HONORS CALCULUS OF SEVERAL VARIABLES
SYLLABUS - SPRING 2018

Instructor: Prof. Matt Zaremsky
Course meets: MF 9:20–10:15am in ES-146, and W 8:15–10:05am in ES-146
Course Website: [http://www.albany.edu/~mz498674/teaching.html](http://www.albany.edu/~mz498674/teaching.html)

Office: ES-136A
Email: mzaremsky at albany dot edu
Office hours: MF 10:25–11:20am, W 11:30am–12:25pm and by appointment, in my office.

1. **Textbook**

   James Stewart, *Multivariable Calculus*, Eighth Edition. One option for buying the textbook and/or access to WebAssign is [here](http://www.albany.edu/~mz498674/teaching.html) (we use the same textbook as AMAT 214) If you only buy the WebAssign access you’ll automatically have access to an electronic version of the book. The plan is to cover the following chapters:
   - Chapter 12: Vectors and the Geometry of Space.
   - Chapter 13: Vector Functions.
   - Chapter 14: Partial Derivatives.
   - Chapter 15: Multiple Integrals.
   - Chapter 16: Vector Calculus.

2. **Course description**

   “Same topics as AMAT 214, but topics are covered in greater depth. This course is for students with more than average ability and more than average interest in mathematics.”

3. **Prerequisites**

   AMAT 119 or TMAT 119, or grade of A in AMAT 113, or permission of the instructor.

4. **Homework**

   Homework will be done online, with the WebAssign program. You’ll need to get access (see link above). Assignments will be due every Wednesday at noon (any deviations from this will be announced ahead of time). No homework is due on the first day of class. The lowest homework will be dropped. In order to enroll in our course in WebAssign you will need the class key, which is

   albany 8492 9974

5. **Quizzes**

   There will be weekly quizzes every Wednesday during class (any deviations from this will be announced ahead of time). No quiz on the first day of class. On weeks with an exam there will be no quiz. Also, the lowest quiz score will be dropped. In general a given Wednesday’s quiz will cover the material that was on the homework due that day.
6. EXAMS

There will be two midterm exams and a final exam. The two midterms will be on Wednesdays, during class, on dates TBD. The final exam is TBD.

7. GRADING POLICY

Homework: 10%, Quizzes: 20%, Midterm 1: 20%, Midterm 2: 20%, Final Exam: 30%.

8. MAKE-UP POLICY

There will be no late homework accepted for any reason (it will be posted so far in advance that this will not be an issue, and I’ll drop the lowest one). There will be no make-up quizzes whatsoever (too much of a logistical headache) but this is why I will drop the lowest quiz score (so if you miss one it’s not a big deal). If you know in advance you will need a make-up exam (and you have a legitimate reason: see [here]) let me know as soon as possible and we’ll work something out. This also holds if you unexpectedly miss an exam due to an emergency. If you unexpectedly miss an exam and don’t have an acceptable excuse then there’s nothing I can do.

9. ACADEMIC INTEGRITY

See [here] for information about academic integrity. I should draw your attention to the part that says, “student claims of ignorance, unintentional error, or personal or academic pressures cannot be excuses for violation of academic integrity.”