

Intermediate Calculus

MA 0180, Fall 2007

Section 2

MWF 11:00–11:50 pm

BH 158

Instructor: Prof. Sergei Treil,
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Office hours: MWF 2:00–3:00 pm and by appointment.

Text: Edwards & Penney, *Multivariable Calculus*, 6th edition, ISBN 0-13-033967-9

Course content: This is a standard course in multivariable calculus covering chapters 11–15 of the text and culminating with the Green's, Divergence and Stokes' theorems.

Course material on the web: You will be able to find a syllabus, course outline, homework assignments, announcements etc on my home page at <http://www.math.brown.edu/~treil> (under construction at the present time).

Grading

1st midterm	20%	
2nd midterm	25%	
homework	10%	the lowest homework score is dropped
quizzes	5%	the lowest quiz score is dropped
final	40%	

Just to give you an idea what to expect: the cutoff point for **A** is usually about 90% , the score below 50% usually means failing.

Other factors such as: effort, attitude, and improvement over time may figure into your final grade. I may also assign a less weight to a single exam grade that is out of line with the others.

Recitations: This class has weekly one hour recitation section, which is held on Tuesdays, 12:00-12:50 pm in BH 165.

Homework: Homework will be assigned each class and should be done before the next class. It will be collected weekly for grading purposes. Although not all problems will be graded, it is *extremely* important to do all the homework. Test's problems will be often modeled after the homework problems or problems discussed in the class.

I'll discard the lowest homework grade.

Note that you are not done with a problem just because you got the right answer. You are only done when you understand **why** the methods you used had to have worked. If all you are doing is blindly applying formulas and mimicking examples, get extra help. The problems should make *sense* to you. You should be able to solve the problem and similar ones with closed book and notes.

The important thing is that you do the homework assignments, because that is how you will really learn the material. If you are sick, or out of town, or otherwise unable to hand in one or

two assignments, it is very unlikely that the missing homeworks will affect your final grade in the course, so don't get frantic about it. But if you don't even work on an assignment, that could well have a very bad effect, since you won't know that material and likely will perform poorly on a test. In other words, doing the homework is for your benefit, not for mine. And it's the doing that's most important.

Submitting the homework. The following rules will be strictly enforced:

1. Write your name, section, and recitation section clearly at the top of every page.
2. Put the problems in order, indicating clearly what you have skipped.
3. **Staple** your homework. Paper clips, folded corners, etc. are not acceptable.
4. Write neatly. If your homework is too messy, a grader may chose not to grade it.

**Late homework will not be accepted under any circumstances.
There will be no exception to this rule!**

Quizzes: The quizzes will be given about once a week, at the recitation. The quizzes will be closed book, closed notes, and will consist of problems modeled after the homework assigned since the previous quiz. Each quiz is worth 10 points. The lowest quiz grade will be discarded. A missed quiz cannot be made up, but will instead count as your lowest grade.

Collaboration: You can talk each other about any of homework problems, but when you write up the problems to be handed in, *you must work alone*.

Midterm exams: There will be 2 1 hour midterm exams:

- Friday Oct. 12 (in class)
- Friday Nov 16 (in class)

Exams are closed book and closed notes.

Make-ups will not be permitted except for a severe medical problem or dire family emergency. A written note from an appropriate person (doctor, father, etc.) is required. If at all possible, you should notify your instructor *before* the missed exam.

Final: Tue., Dec.18, at 2 pm. The location will be announced later. The exam is closed book and closed notes.

Calculators: No calculators allowed on exams.

Questions: *Mathematical* questions are appreciated any time during the class.

Attendance: Many college students treat class attendance as optional. This may be fine for some classes. However, in math. classes you can get way behind very fast. I would not penalize you for non-attendance, but you should come to class every time unless you are seriously ill.

And remember: office hours are not replacements for missing classes!

Where To Go For Additional Help.

- Office Hours: Your professor and your recitation section instructor will announce their office hours during the first week of classes.
- Math Resource Center (MRC): The MRC helps students with calculus, including homework problems and concepts from lecture. Drop-in help is available in Kassar House (151 Thayer Street), Room 105. MRC generally begins operation the second or third week of classes.