

# MA225 B1 - Multivariate Calculus - Fall 2016

<http://math.bu.edu/people/mabeck/Fall16/MA225.html>

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|---------------|-------------------------|
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| Office:       | MCS 228                 |
| Office Hours: | Tu 2-3:30 and Th 3:30-5 |

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|------------------|----------------------|
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| Office Hours:    | M 8-9 and Tu 8:30-10 |

## Grading

| Graded Item         | Weighting |
|---------------------|-----------|
| Homework            | 10%       |
| Best in-class test  | 35%       |
| Worst in-class test | 25%       |
| Final Exam          | 30%       |

## Exam dates

| Exam            | Date                                |
|-----------------|-------------------------------------|
| In-class test 1 | Thursday, October 6                 |
| In-class test 2 | Thursday, November 10               |
| Final Exam      | Saturday, December 17, 12:30-2:30pm |

## Textbook and chapters covered

We will cover “Thomas’ Calculus,” 13th edition, 2014, chapters 12 - 16. To get the custom BU version, with only the multivariable portion of the text, go to [mypearsonstore.com](http://mypearsonstore.com) and use the code “terriers”. You should get a BU discount. The ISBN number is 1323006982.

## Lecture and discussion

You are strongly encouraged to attend both. Due to space restrictions, please only attend the discussion you are registered for. Lectures take place on Tuesdays and Thursdays from 12:30-2pm in LSE B01. Discussions are: B2, W 9-10, MCS B33; B3, W 2-3, CAS B25B; B4, W 1-2, PSY 212; B5, Th 8:30-9:30, BCS B25; and B6, Th 9:30-10:30, MCS B21.

## Homework

Homework assignments will be collected every week (except the first week) at the end of your discussion section. Therefore, the due date for your HW is the day of the week during which you have discussion. If you are unable to attend discussion, you may put your HW in your TF’s mailbox in the main math office (MCS 142) before the \*beginning\* of your discussion section. **Late assignments will not be accepted, and there will be no makeup HW for any reason. Your lowest two HW grades will be dropped.**

The assignments will be posted on the course webpage and worth 10 points each:

- 6 points for effort
- 3 points for correctly answering three selected problems
- 1 point for clarity

If you make a concerted attempt at each problem, you will get all 6 effort points. You will not be told in advance which three problems will be selected to be checked for correctness, and there is no partial credit for these: one point per problem. The clarity point will be awarded if your homework is readable, stapled (if multiple pages), and has your name, BU ID, and discussion section clearly written at the top of the front page. You are encouraged to work together on the HW, but your write-ups must be your own. Identical HW could be considered plagiarism.

**MyMathLab:** You do not need to use MyMathLab. However, I will put HW assignments there, which correspond as much as possible to the weekly HW from the book that will be collected and graded. This is simply for people who like using the MyMathLab interface. Note that the problems on MyMathLab will probably not be exactly the same as the ones that will be collected, since MyMathLab tends to change some of the numbers that appear within each problem. So the correct answer for the MyMathLab problems will not necessarily be the correct answer for the collected problems. **You must turn in physical HW corresponding to the numbered problems in the book in order to get HW any points. Doing MyMathLab problems is optional, for your benefit only, and has no effect on HW grades.**

## **In-class tests and Final Exam**

There will be two in-class tests on the dates listed above, weighted as indicated above. I will tell you what material the in-class tests will cover at least one week in advance and post this information on the website. The final will be cumulative. You may not use your book, notes, or a calculator on any of these. Please make sure you bring your BU ID. There will not be time for any review lectures.

## **Make-up tests/exams**

I do not give make-up tests unless you have a legitimate excuse, such as a serious illness or family emergency, and a written excuse. If possible, please notify me in advance. Note the date and time of the final exam and make your travel plans accordingly. University policy states that you must take the final exam at that time.

## **Test/exam regrading**

If you feel that your in-class test or final exam was incorrectly graded, you may submit it to me for regrading within one week of receiving it. **You should not specify which part you feel was incorrectly graded. Please note that in this case I will regrade the entire exam.** Typically I will not increase the allocation of partial credit. It is possible for your grade to go down if you submit your exam for regrading.

## **Extra help**

It is most effective to get help as soon as you feel you need it. Waiting until just before the final exam is generally not a good idea. Ways to get help, all of which are free:

1. Come to my or your TF's office hours, or email me or your TF.
2. Go to the tutoring room, MCS B24, to get help from a graduate student. The full schedule is at <http://www.bu.edu/math/undergraduate/resources/tutoring-room-schedule/>
3. Get free peer tutoring from the Educational Research Center: <http://www.bu.edu/erc/tutoring/>
4. Go to Math Tutoring Hours in the Rich Hall Cinema Room in West Campus on Tuesdays from 7-10pm, run by Prof. Wayne Snyder: <http://www.cs.bu.edu/fac/snyder/>

## **Academic conduct**

Plagiarism and cheating are not tolerated under any circumstances. Please refer to the BU academic conduct code if you are unclear about what constitutes appropriate behavior.