Multivariable Calculus MTH 234-202
Syllabus Summer 2014

Instructor(surname/name): Ivanisvili Paata

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Office: C106 Wells Hall

Office Hours: By appointment

MLC Hours: 4:00pm-6:20pm Monday & 4:00pm-6:20pm Wednesday

Lecture: Monday, Tuesday, Wednesday, and Friday: 12:40pm to 2:30pm in 1234 EB (Engineering Building).


General Course Description: The topic of this course is vector calculus. We will study the differential and integral calculus of functions of several variables. This includes the topics of partial differentiation, multiple integrals, line and surface integrals, and the theorems of Green and Stokes.

Prerequisite: MTH 133 or MTH 153H or LB 119


• Attendance: Attendance is mandatory. You are responsible for all the announcements, changes, course information, and topics that we will cover in class. If you miss a substantial number of lectures without discussing the matter with me and without a valid excuse, your final grade may be deducted.

• Reviewing Lecture Notes: Reviewing the lecture notes is considered as a part of the homework assignments. It will be expected that you review the notes after each lecture in order to understand the material of the course in depth and it would help you to do well on your Exams.
• **Textbook problems**: After each class, I will assign some problems selected from your textbook as your "homework", although these "homework" will not be graded, solving them is essential for keeping up with this class. You should work out these problems and as many of the other problems from each section covered in this course in order to be prepared for examinations. In solving these problems, you should strive for clearly written solutions. If you have any difficulties on the homework, you should ask your instructor for hints or go to MLC to see a tutor.

• **Exams 400 points**

There will be four exams; see the schedule for the dates. No notes, no books, no calculators, no phones, no tablets, no computers will be allowed in the exams. **Any test missed without an authorized excuse will count as 0/100**.

• **Make-up Exams Policy**: Make-up for exams will only be given in case of a medical or emergency absence, and only with a written excuse from a doctor or other appropriate individual. Such exams are only given in extreme cases which I consider to be sufficiently convincing and serious.

• **Final Exam 200 points**: You must take the final examination in order to pass the course. All students are required to take the Common Final Exam which will be on Wednesday, August 13, 2014.

• **Course Grading**: Final grades will be assigned based on the following scale ($x$ your grade).

<table>
<thead>
<tr>
<th>$x \geq 90$</th>
<th>$85 \leq x &lt; 90$</th>
<th>$80 \leq x &lt; 85$</th>
<th>$75 \leq x &lt; 80$</th>
<th>$70 \leq x &lt; 75$</th>
<th>$65 \leq x &lt; 70$</th>
<th>$60 \leq x &lt; 65$</th>
<th>$x &lt; 60$</th>
</tr>
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We may curve the scale to be more lenient, depending on the final grade distribution, though this is at the sole discretion of the instructor. If such curve were given, it would be given for students who attend the class regularly only.

• **Academic Dishonesty**: Academic dishonesty is considered a serious offense at MSU. Students caught cheating may face failure in the course and an administrative sanction which may include suspension or expulsion from the university. See the MSU Academic Integrity Policies [https://www.msu.edu/~ombud/academic-integrity/index.html](https://www.msu.edu/~ombud/academic-integrity/index.html)

• **Cheating**: Anyone caught cheating on the in class tests will get a score of 0 on that test. Cheating on the final will result in a 0.0 grade in the course.

• **Important Dates**

  - **Monday 6/30/2014**: Classes Begin
  - **Wednesday 7/2/2014**: Open adds end (8:00 pm)
  - **Friday 7/4/2014** Independence Day, University closed
  - **Friday 7/11/2014**: Exam 1
  - **Friday 7/11/2014**: Last day to drop with refund (8:00 pm)
- **Tuesday 7/22/2014**: Exam 2
- **Wednesday 7/23/2014**: Last day to drop with no grade reported (8:00 pm)
- **Friday 8/1/2014**: Exam 3
- **Friday 8/8/2014**: Exam 4
- **Wednesday 8/13/2013**: Final Exam

- **Math Learning Center**: The MSU Mathematics Learning Center is located on the first floor of the C-Wing of Wells Hall. The Learning Center provides assistance for students in this class. Some of you might find this helpful. If you go to the window in the lobby of the C-Wing of Wells Hall by the elevators, a monitor will direct you to the appropriate room for this class. In the Learning Center, by working with other students and experienced staff, you will come to better understand the concepts covered in this class.

  - **Hours**: M-Th 12:30-5:10 pm
  
  You can find more information about the Mathematics Learning Center at the MSU Mathematics Department webpage for this center [https://www1.math.msu.edu/mlc/](https://www1.math.msu.edu/mlc/)