Math 15300, Calculus-III, Section 47

Monday/Wednesday/Friday 11:30 am – 12:20 pm Winter 2019

Pick Hall 022

Instructor: Boming Jia
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Email: jiab@uchicago.edu
Office: TAAC 29
Office Hours: Wednesdays 10-11 am, Fridays 2:30-3:30 pm, and by appointment

VCA: Yimo Zheng
Email: yimozheng@uchicago.edu
Problem Session: TBA
Location: TBA

Course Website: http://math.uchicago.edu/~jiab/153/

Textbook: Calculus: One and Several Variables, 10th Edition, Salas-Hille-Etgen

General Policy: There will be two in-class midterms and a final exam. Homework will generally be assigned in classes throughout the week, and due on Mondays in class. Late homework requires the instructor’s permission to get accepted. You should feel free to work on homework together, but you should write up your own solutions independently. I will compute your final grade as following:

<table>
<thead>
<tr>
<th>Component</th>
<th>Time</th>
<th>Weight 1</th>
<th>Weight 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Homework</td>
<td>Due on every Monday in Week k for all k ∈ (1, 10] ∩ Z {4, 8}</td>
<td>10%</td>
<td>0%</td>
</tr>
<tr>
<td>Midterm 1</td>
<td>Week 4, Monday, Jan. 28, 11:30 am – 12:30 pm</td>
<td>25%</td>
<td>5%</td>
</tr>
<tr>
<td>Midterm 2</td>
<td>Week 8, Monday, Feb. 25, 11:30 am – 12:20 pm</td>
<td>25%</td>
<td>5%</td>
</tr>
<tr>
<td>Final</td>
<td>Week 11, Friday, March 22, 10:30 am – 12:30 pm</td>
<td>40%</td>
<td>90%</td>
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</tbody>
</table>

The correspondence between exam score and letter grades will be announced after each exams. Then I will translate the letter grades to a number out of 4.00 scale. By the end of the quarter, for each student in class, I will always compute the student’s overall points by using the weight which gives the higher (or equal) score for that student. Then I will translate the final overall points back to the final letter grade based on one’s participation in class and bonus points.

Department Policy: It is the policy of the Department of Mathematics that the following rules apply to final exams in all undergraduate mathematics courses:

1. The final exam must occur at the time and place designated on the College Final Exam Schedule. In particular, NO final examinations may be given during the tenth week of the quarter, except in the case of graduating seniors.
2. Instructors are not permitted to excuse students from the scheduled time of the final exam except in the cases of anIncomplete.

Syllabus:

4. (3 lectures): Functions of Several Variables. Sections 15.1, 15.3, 15.4, 15.6, and handouts.
5. (3 lectures): Gradients; Extreme Values; Differentials. Sections 16.1-16.4, and handouts
6. (6 lectures): Double and Triple Integrals; Sections 17.1-17.3, 17.6-17.8, 17.10, and handouts.