MATH 629 - INTRODUCTION TO MEASURE AND INTEGRATION

Section 001 Spring 2016

Instructor: Jessica Lin
Office: Van Vleck 315
Email: jessica@math.wisc.edu
Course website: http://math.wisc.edu/~jessica/math629

Schedule: This class meets MWF 9:55-10:45AM in Ingraham 22.

Additional Optional Texts: Real Analysis, Stein and Sharkarchi and Real Analysis, Royden

Office Hours: Wednesdays 5-6 PM, Thursdays 1:15-2:25 PM

Syllabus: Chapters 1,2,3 and portions of Chapters 5,6. A detailed syllabus will be created during the semester. Check the class website regularly to access this.

Exams: There will be two in-class midterm exams and one in-class final exam. Incompletes and make-up exams are rarely given, generally only in cases of personal tragedy or official university business with an appropriate note from a university official. Email me at least one month in advance if the latter applies to you.

Homework: Homework will be assigned on Fridays, due the following Friday. The assignments will be published on the class website. You are allowed and encouraged to work on your homework together. However, you must write up your solutions independently. Cheating and/or copying without understanding is academic fraud. It will be noted by the grader and reported to the instructor. A subset of homework problems will be graded. Select solutions to the homework problems will also be posted on the course website after the due date.

Homework is due at the beginning of class by placing it on the table at the front. If you will miss class the day it is due, you may leave the homework assignment in my mailbox on the 2nd floor of Van Vleck, before the end of class on the due date. Please have your homework stapled nicely, with the problems listed in order as assigned. Late assignments will NOT be accepted. Your lowest homework grade will be dropped.

Classroom Etiquette: If you choose to come to lecture, please do not use cell phones or eat during lecture.

Important Dates and Course Components

<table>
<thead>
<tr>
<th>Event</th>
<th>Date</th>
<th>Percentage of Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>First Exam</td>
<td>Friday, February 26th, in class</td>
<td>20% of your grade.</td>
</tr>
<tr>
<td>Second Exam</td>
<td>Friday, April 8th, in class</td>
<td>20% of your grade.</td>
</tr>
<tr>
<td>Final Exam</td>
<td>Wednesday, May 11th (Finals Week), 12:25-2:25 PM</td>
<td>30% of your grade.</td>
</tr>
<tr>
<td>Weekly Homework</td>
<td>The mean after the lowest homework is dropped</td>
<td>30% of your grade.</td>
</tr>
</tbody>
</table>

Honors Option: Those who are taking the class with honors must send me an email by February 1st. The honors option will be published at that time. Failure to complete the honors option will make your final grade incomplete, and you will not receive a letter final grade until the honors option is fulfilled.

* I reserve the right to change any of the above if I find it necessary, in which case I will inform you well in advance.