MATH 181 F1 A MATHEMATICAL WORLD
FALL 2012

Course Information

Meetings: Monday, Wednesday, Friday 2:00-2:50 PM
Location: 143 Henry Administration Building
Website: http://www.math.uiuc.edu/~rochfor1/teaching/fall12/181F1/index.html

Instructor Information.
Instructor: Austin Rochford
E-mail: rochfor1@math.uiuc.edu
Office: 178 Altgeld Hall
Office hours: Tuesday 9:00-10:00 AM, Wednesday 1:00-1:55 PM, and by appointment

Contact. All contact outside of class and office hours should take place via e-mail. I attempt to respond to all e-mails within 24 hours whenever possible. Include “Math 181” in the subject of your e-mails.

Appointments. Appointment requests must be made at least 24 hours in advance of the desired appointment time. Before requesting an appointment, consult my online schedule (http://www.math.uiuc.edu/~rochfor1/schedule.html) to see when I am busy.

Grading.

Homework. Homework problems will be assigned weekly after class on Wednesdays at http://www.math.uiuc.edu/~rochfor1/teaching/fall12/181F1/hw.html These problems be collected at the beginning of class on Wednesday, one week after they are assigned. One problem from each assignment will be graded for correctness and the rest will be checked for completeness.

Quizzes. There will be weekly quizzes at the end of class on Wednesday, except for the first week of the semester and weeks with an exam. The quiz questions will be extremely similar to the homework problems assigned the previous Wednesday and collected at the beginning of class on the day of the quiz. At the end of the semester, the lowest quiz score will be dropped.

Exams. There will be three fifty minute midterm exams during the semester. These exams will take place in class on September 28, October 26, and November 30.

The final exam will take place from 1:30-4:30 PM on Saturday, December 15 in a room to be announced later in the semester.
Computation of Grades. The following table shows the weights of each component in the computation of the final grade.

<table>
<thead>
<tr>
<th>Component</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quizzes</td>
<td>15%</td>
</tr>
<tr>
<td>Homework</td>
<td>10%</td>
</tr>
<tr>
<td>Exam 1</td>
<td>15%</td>
</tr>
<tr>
<td>Exam 2</td>
<td>15%</td>
</tr>
<tr>
<td>Exam 3</td>
<td>15%</td>
</tr>
<tr>
<td>Final exam</td>
<td>30%</td>
</tr>
</tbody>
</table>

Final letter grades will be assigned according to the standard ten-point plus/minus scale.

Grade Disputes. If you feel one of your assessments has been incorrectly graded, you have one week from when the assessment was available for return to dispute the grade. Except for simple addition mistakes, all regrade requests must be made in writing, with the original assessment attached.

Attendance. Attendance is expected. An excused absence requires documentation from the Dean on Duty (http://www.odos.uiuc.edu/deanonduty/). If an excused absence causes a student to miss a quiz, that quiz will be omitted when computing final grades. If an excused absence causes a student to miss a midterm exam, their final exam grade will be used in place of that midterm exam grade. For example, if a student misses one midterm exam for an excused absence, their final exam will be worth 45% of their final grade.

Classroom Expectations. No electronics (cell phones, music players, laptops, calculators, etc.) are allowed during class time. Use of any such device will result in you being asked to leave class, with no warnings.

Academic Integrity. All students are expected to conform to the University’s code of academic integrity, as outline in Article 1, Part 4 of the Student Code (http://admin.illinois.edu/policy/code/article1_part4_1-401.html). Breaches of academic integrity will be punished at the instructor’s discretion, within the bounds set by the Student Code.

Schedule of Topics.
- Chapter 1 Urban Services
- Chapter 2 Business Efficiency
- Chapter 9 Social Choice
- Chapter 10 The Manipulability of Voting Systems
- Chapter 11 Weighted Voting Systems
- Chapter 12 Electing the President
- Additional topics as time permits

Good luck in Math 181!