Professor: Prof. Kustin
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Office Hours: by appointment


Be sure to: learn every Definition and the statement of every Theorem.

Homework: I will assign a few homework problems each class. Be sure to do these problems before the next class. The quiz questions will be taken directly from the homework.

To succeed in the course, DO (rather than read or watch) all of the homework, until you are sure that your answer is correct. Do the homework in a timely manner (that is, before I go over it in class). ASK about the problems that cause you difficulty.

Drop Date: The last day to drop without receiving a WF: Monday, February 22. You will have two exams and four quizzes before that day.

Attendance: I expect you to attend all classes. A grade penalty will be exacted if you have an excessive number of absences (whether excused or unexcused); see the Bulletin of Undergraduate Studies (http://www.sc.edu/bulletin/ugrad/acadregs.html). If you plan to leave before class is over, the correct procedure is to mention this to me before I start class. It is impolite, disruptive, and a bad idea to leave class while I am lecturing unless you have followed this procedure.

Old Exams: The exams I gave the last few time I taught this course are available at my web site. There are some patterns to look for because surely these patterns will continue in your course: Many of the exam questions come from the homework; so DO the homework in a timely manner. Many times a type of exam question is repeated from exam to exam; so if a problem causes you difficulty on an exam or quiz, make sure you know how to do it before the next
Notice that almost all of the problems say: “Define XXX.” or “State XXX.” or “Prove XXX.” or “True or False. If true prove it. If false, give a counterexample.” or “Give an example of XXX.”

**Quizzes:** There will be 10 quizzes: 1/14, 1/21, 2/4, 2/11, 2/23, 3/4, 3/18, 4/1, 4/8, 4/15. Each quiz will be worth five points. **The quiz will consist of one problem from the previous night’s homework.** I will drop your two lowest quiz scores and calculate your final quiz score out of 40. **THERE WILL BE NO MAKE-UP QUIZZES.**

**Hour Exams:** There will be three hour exams. They will be given:
Thursday, January 28,
Tuesday, February 16, and
Thursday, March 25.
Each hour exam is worth 50 points. I will drop your lowest exam score. **THERE WILL BE NO MAKE-UP EXAMS.**

**Final Exam:** The final exam is worth 100 points and will be given on Wednesday, May 5 at 9:00 AM.

**Final Grade:**

<table>
<thead>
<tr>
<th>Points</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>40</td>
<td>Quiz score</td>
</tr>
<tr>
<td>100</td>
<td>Exam score</td>
</tr>
<tr>
<td>100</td>
<td>Final Exam</td>
</tr>
<tr>
<td>240</td>
<td>Total</td>
</tr>
</tbody>
</table>

216–240    A
192–215    B
168–191    C
144–167    D

If your performance at the end of the class indicates that you should receive a grade higher than is calculated from the above chart, then you will receive the higher grade.

**Prerequisites:** MATH 241 or 250

**Objectives:** (Also known as “student learning outcomes”.) The students will master the concepts and techniques of algebraic structures. In particular, the students will become proficient with groups, subgroups, quotient groups, and homomorphisms.