OFFICE HOURS: M 11-12, 2-3; T 12-1; W 9-10, 11-12, 1-2; TH 11-1; F 11-12, 2-3; and by appointment.

COURSE PREREQUISITE: MATH 420/520: Abstract Algebra I


SUPPLEMENTS: http://math.niu.edu/~beachy/courses/421/

TOPICS: Brief review of elementary group theory, complex numbers
(Chapters 3.1-3.5, Appendix A5)
Further theory of groups (Chapter 3.6-3.8)
Polynomials (Chapter 4)
Commutative Rings (Chapter 5)
Fields (Chapter 6.1-6.3)

COURSE OBJECTIVES; SYLLABUS: See other sheet.

GRADING SYSTEM:

<table>
<thead>
<tr>
<th>Component</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Two 1 ¼ hour exams</td>
<td>200</td>
</tr>
<tr>
<td>Final exam</td>
<td>200</td>
</tr>
<tr>
<td>Homework</td>
<td>150</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td>550</td>
</tr>
</tbody>
</table>

Any curves for each component will be added to obtain the overall scale.

HOMEWORK: Cooperation on homework is permitted, but each assignment is to be written up independently (and neatly). You may be asked to explain your homework solutions to the instructor, without using notes.

421/521 DISTINCTION: One (or part of one) problem on each exam and each homework assignment will be designated (by *) as extra credit for Math 421, but required for Math 521.

ACADEMIC CONDUCT: Academic honesty and mutual respect (student with student and instructor with student) are expected in this course. Mutual respect means being on time for class and not leaving early, being prepared to give full attention to class work, not reading newspapers or other material in class, not using cell phones or pagers during class time, and not looking at another student's work during exams. Academic misconduct, as defined by the Student Judicial Code, will not be treated lightly.

DRC STATEMENT: Northern Illinois University is committed to providing an accessible educational environment in collaboration with the Disability Resource Center (DRC). Any student requiring an academic accommodation due to a disability should let his or her faculty member know as soon as possible. Students who need academic accommodations based on the impact of a disability will be encouraged to contact the DRC if they have not done so already. The DRC is located on the 4th floor of the Health Services Building, and can be reached at 815-753-1303 (V) or drc@niu.edu.