Mathematics 582 Syllabus
Spring 2013

Instructor: Dr. Patrick Morandi. My office is Science Hall 242 and my office phone number is 646-2126. You can also reach me through e-mail at pmorandi@nmsu.edu.

Office Hours: My regularly scheduled office hours are

<table>
<thead>
<tr>
<th>Day</th>
<th>Time</th>
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<tbody>
<tr>
<td>Monday</td>
<td>11:00 - 12:00</td>
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<tr>
<td>Tuesday</td>
<td>2:00-3:00</td>
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<tr>
<td>Wednesday</td>
<td>1:30-2:30</td>
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These hours may change if they are not convenient for the students. If you need or want to see me outside these hours, you may make an appointment with me before or after class, by phone, message, or by e-mail. I understand that your schedule might not allow you to come to my office during the hours listed above; by all means talk to me if you wish to come to office hours but are unable to make the hours listed above.

Course Web Page: The web address for this course is

sierra.nmsu.edu/morandi/math582

At this site you will find the syllabus, handouts, and assignments.


Course Material: We will discuss topics from ring and module theory, and a little more group theory. We’ll start off with the Sylow Theorems (4.5) and the fundamental theorem of finite Abelian groups (see 5.2), and then move to modules (Chapter 10), a brief discussion of modules over a PID (12.1), and then move to topics of commutative rings (Chapters 15, 16). The order we do things won’t follow Dummit and Foote exactly. The order of topics in Commutative Algebra by Attiyah and Macdonald is more like what we will do. That book is a good reference, although it has a more advanced viewpoint than we will take.

Grading: The grade for the course will be based on your performance on written assignments and exams. The breakdown is: homework, 60%; two midterm exam, 10% each; final exam, 20%.
Homework: Homework will generally be assigned once a week and will be due one week later. Some, but not all, of the homework problems will come from the text. In any case I’ll pass out in class (and post on the website) a sheet listing all of the homework problems.

Exams: There will be two take-home exams and one in-class final exam. They will be due one week after being given out in class. The final exam for this class is scheduled for Wednesday 8 May from 1:00 to 3:00 PM.

Important Dates to Remember:
Martin Luther King Holiday: 21 January
Last day to add a class: 29 January
Last day to withdraw with a W: 12 March
Spring Break: 25-29 March
Final Exam: Wednesday 8 May, 1:00-3:00

Other Information: Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act (ADA) covers issues relating to disability and accommodations. If a student has questions or needs an accommodation in the classroom (all medical information is treated confidentially), contact: Trudy Luken, Director Student Accessibility Services (SAS) Corbett Center, Rm. 244 Phone: (575) 646-6840 E-mail:sas@nmsu.edu Website: www.nmsu.edu/∼ssd/

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Furthermore, Title IX prohibits sex discrimination to include sexual misconduct, sexual violence, sexual harassment and retaliation. For more information on discrimination issues, Title IX or NMSU’s complaint process contact: Gerard Nevarez, Executive Director or Agustin Diaz, Associate Director Office of Institutional Equity (OIE) O’Loughlin House Phone: (575) 646-3635 E-mail:equity@nmsu.edu Website: http://www.nmsu.edu/∼eeo/