MAT 541
Introduction to Number Theory
Spring 2009

Instructor: Professor Jeffrey Meyer, 206F Carnegie
443-1479 or 443-1473
jlmeye01@syr.edu

Office Hours: W 10:00 – 11:30 am, TTh 12:30 – 1:30 pm,
and by appointment.

Text: *Elementary Number Theory*, by David M. Burton, Sixth Edition

Course Description: This course is a first course in number theory. The
course will cover at least Chapters 2, 3, 4, 5, 6, 7, and 9. There will be
additional topics presented by the instructor. The work you do for the
course will include solving problems with applications from the material and
writing proofs of claims.

Prerequisite: MAT 275 and MAT 331 or permission of instructor.

Grading: Your grade will be based on the following:

<table>
<thead>
<tr>
<th>Component</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Two mid-term exams</td>
<td>25% each</td>
</tr>
<tr>
<td>Comprehensive final exam</td>
<td>35%</td>
</tr>
<tr>
<td>Homework</td>
<td>15%</td>
</tr>
</tbody>
</table>

Exam Dates: Tentative schedule:
Exam 1               Tuesday, February 17, 2009
Exam 2               Thursday, April 25, 2009
Final Exam           Friday, May 1, 8:00 – 10:00 am