Instructor: Eric Moorhouse, Ross Hall 63 = 216, 766-4394, moorhous@uwyo.edu

Office hours: MT 10–11:30am, W 2:30–3:30pm. Subject to change; see http://www.uwyo.edu/moorhouse/schedule.html for updates and temporary changes. I am also available by appointment, and often by simply dropping by.

Prerequisite: Grade of C or better in MATH 3500 (Algebra I)

Class Meeting: MWF 12–12:50pm in CR 103.

Textbook: J.H. Silverman, A Friendly Introduction to Number Theory, 4th ed., Prentice Hall, 2013. The 3rd edition will probably suffice, assuming you are able to find corresponding pages whenever I cite the 4th edition by page number. Our course website (see below) features links to Silverman’s website for the textbook, including a list of errata; also online-only Chapters 47-50 (Appendices A & B).

Grading Scheme:

<table>
<thead>
<tr>
<th>Percentage</th>
<th>Component</th>
</tr>
</thead>
<tbody>
<tr>
<td>50%</td>
<td>Homework</td>
</tr>
<tr>
<td>25%</td>
<td>Midterm Test</td>
</tr>
<tr>
<td>25%</td>
<td>Final Exam</td>
</tr>
</tbody>
</table>

Homework: Homework is the most vital part of this course. Mathematics, more than most subjects, is one which you learn not by listening and absorbing, but by trying out yourself. The learning of mathematics is also more sequential than that of other subjects ... so all the more need to be regular in doing problems yourself! Homework assignments will be assigned approximately once per week, and will be submitted to me on the specified due date (usually after 3–6 days), at the end of class.

It is fine for you to discuss the homework with other students. However, please do not copy anyone else's work directly. Copying may adversely affect your grade; but more importantly, of course, you won't be adequately preparing yourself for the tests in this way.
**Tests:** There will be one 50-minute test during class time, and one final exam, both of which are ‘closed book’; however, you will be permitted to use a handheld calculator and one ‘cheat sheet’ (one 8.5 by 11 inch sheet with information written on one side in your own handwriting). Sharing of calculators or other aids during the test or the exam, is not permitted. The midterm test will cover a specified unit of material only, but the final exam will be comprehensive. The final exam is scheduled for 10:15am–12:15pm on Wednesday, May 13, 2015, in our usual lecture room.

Make-up tests, for those who miss tests, will only be granted in cases of verifiable illness or the most extreme circumstances (at my discretion). Please contact me in advance of such a situation if possible, or leave a message with the Math Department (766-4221). Even in legitimate cases, the make-up test will be harder than the original test.

**MATH 4550 Home Page:** Please bookmark the site [http://math.uwyo.edu/moorhouse/courses/4550/](http://math.uwyo.edu/moorhouse/courses/4550/) and visit it often for course-related information. This site will direct you to

- relevant handouts, including this document;
- current announcements including homework reminders, test dates, etc.;
- my personal home page, schedule, etc.; and
- links related to the course content.

**Students with Disabilities:**
If you have a physical, learning or psychological disability and require accommodations, please let me know as soon as possible. You will need to register with, and provide documentation of your disability, to the University Disability Support Services (UDSS) in SEO, Knight Hall 330, phone 766-6189.

**Appropriate Conduct:**
For issues of academic honesty/dishonesty, classroom deportment, etc., we refer to

- [UW Student Code of Conduct](http://www.deanstudents.wisc.edu/policies-and-procedures/student-code-of-conduct) (UW Dean of Students)
- [Students & Teachers Working Together](http://www.uwcollegeofartsandsciences.wisc.edu/teaching-learning/student-teachers-working-together) (UW College of Arts & Sciences)

Links to both documents appear on our course website.