Math 1350 syllabus, Fall 2010

The textbook is Invitation to Cryptology, by Thomas H. Barr.

There are two sections of this course. Both meet in Malott 251 on Tuesdays and Thursdays.

Ed Swartz's section meets from 1:25-2:40 pm. You can contact Ed by e-mail at ebs22@cornell.edu Ed's office is in Malott 592. His office hours are to be announced.

Andy Frohmader's section meets from 2:55-4:10 pm. You can contact Andy by e-mail at adf55@cornell.edu Andy's office is in Malott 581. His office hours are to be announced.

There will be regular homework assignments, with one due most Thursdays. Most homework problems are taken from the book. The first several homework assignments are given at the end of this syllabus.

Each student in this course is expected to abide by the Cornell University Code of Academic Integrity. Any work submitted by a student in this course for academic credit will be the student's own work. You may work on homework individually or in groups. Regardless of how you solve the problems, however, each student must write-up his own solutions in his own words, rather than copying off of someone else.

Late homework will not be accepted for credit. A homework assignment is considered late if your instructor doesn't have it in time to give it to the grader on the day it is due. Homework is intended to be turned in during class, and if you skip class on a day that homework is due and try to turn it in later that day, you take a serious risk of being unable to do so and having the homework count as late.

Your lowest homework score will be dropped. A completed late homework will be eligible to be dropped. If a homework is late, then it does not matter how late it is, except that no further late homeworks will be accepted after the final. A homework assignment that is never turned in will not be dropped.

If you must be absent on a day when homework is due, you can turn it in early or give it to someone else to bring to class. In case of unexpected reasons to miss class that could not be planned ahead of time, you can turn in the assignment later and use your drop.

There will be three exams. This includes two mid-terms, both on Thursdays. There will also be a final during finals week. Prelims will not be cumulative in the sense that all problems will include material dealt with after the previous exam, though it is the nature of mathematics that material covered after the first mid-term may require you to understand material covered earlier. The final exam will be cumulative, but with a heavier emphasis on material covered after the second prelim.

Calculators and other electronic devices are not allowed on the first prelim. You may use a calculator or other such electronic device for help with homework in chapters 3 and 4 if you like, but not in chapters 1 and 2.

If you have to miss an exam, let your instructor know as soon as possible, ideally before the exam.

If you want something regraded, you must turn it back in and ask for a regrade within a week of the first time that your instructor attempted to return it. Write a note on a separate sheet of paper explaining what you did and why you think you deserve more points than you were given. Points will only be added in case of grader error.

You must show your work on homework and exams. The correct answer with no justification may not get any credit.

Schedule and homework assignments:

Homework #1 (due September 2):
Chapter 1.2 # 1, 3, 4, 5

Homework #2 (due September 9):
Chapter 2.1 # 1, 4, 8, 12, 15
Chapter 2.2 # 2, 4, 8, 9, 12, 13

Homework #3 (due September 16):
Chapter 2.3 # 2, 4, 5, 10
Chapter 2.4 # 2, 5, 7

Additional homeworks are yet to be announced.

First exam: September 30

Second exam: November 4

Final exam: December 14

The final exam will be comprehensive, but weighted toward the material covered after the second prelim. The final exam will take place from 2-4:30 pm.

The room has not yet been determined. It will be determined at some point during the semester, and likely posted at http://registrar.sas.cornell.edu/Sched/finals.html At the time this syllabus was posted, that link gave the final exam room assignments for Spring 2010.