

**Instructor:** D. Lorenzini  
**Office:** 406 Boyd Graduate Center  
**Phone:** 542-2578  
**Office Hours:** Tu and Wed, 5:30-6:30

**Math 4450/6450**

**Text:** *Introduction to Cryptography with Coding Theory*, second edition, by Wade Trappe and Lawrence C. Washington. In addition, *The Code Book* by Simon Singh, with free downloadable CD-ROM at:

[http://www.simonsingh.net/Code\\_Book\\_Download.html](http://www.simonsingh.net/Code_Book_Download.html)

**Prerequisites:** Math 4000 or equivalent. No previous coursework in number theory or computer programming is required, but may be helpful.

**Grading:** The homework will count for 30% of the grade. Two 1-hour in-class tests will constitute 20% of the grade each. A 3-hour comprehensive final exam will constitute the remaining 30% of the grade.

**Homework:** Homework will be assigned on a regular basis. There will be some reading assignments and some computer-based projects as part of the homework. Students taking the course at the 6000 level will be assigned some extra/different problems on each homework and possibly on the tests and the final. They will also be expected to write a short (roughly four pages) expository paper on a topic of their choosing related to the course.

- Please **staple** the homework that you turn in.

**Extra Help:** Do not hesitate to come to my office during office hours or by appointment to discuss a homework problem or any aspect of the course.

**Tests (tentative):** First test: 5th week. Second test: 10th week.  
(If I am not mistaken, the final exam is Thu, Dec 13, 8:00 - 11:00 am.)

I look forward to an interesting and enjoyable semester with you.

As in all classes:

**Academic Honesty:** All students are responsible for maintaining the highest standards of honesty and integrity in every phase of their academic careers. The penalties for academic dishonesty are severe and ignorance is not an acceptable defense.

You should familiarize yourself with the University Academic Honesty Policy and pledge to conduct yourself within the guidelines of this policy, as stated for instance at <http://www.uga.edu/honesty/>

**University Attendance Policy:** *Students are expected to attend classes regularly. A student who incurs an excessive number of absences may be withdrawn from a class at the discretion of the professor.* In this class, 'excessive' means three or more absences.

Class attendance is required.