Lectures and Office Hours

Lectures are Mondays 4-5pm and Tuesdays 3-5pm in Wyman Park 421. Office hours are by appointment.

Contact Information

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Prerequisites

This is an advanced graduate course. It will build on your prior knowledge in algorithms, complexity theory, basic number theory and basic cryptography. Please see the instructor if you have questions about your background.

Course Materials

There is no text for this course. During the first few weeks, you may find the *Foundations of Cryptography* series by Oded Goldreich useful (see `http://www.wisdom.weizmann.ac.il/~oded/books.html`). Relevant papers will also be posted on the course website.

Website and Mailing Lists

The course website, with all handouts and relevant papers, is:

`http://cs.jhu.edu/~susan/600.641`

We will also setup a course mailing list, which will be used for announcements. You are also encouraged to use the list to contact your fellow students. Please make sure you return Handout 3 to get onto the list.

Grading Policy

There will be no quizzes or finals. There will be approximately three problem sets; the last one being larger and more open-ended than the first two. Students will also scribe lectures

in rotation. Scribe notes will be posted on the website for everyone, so they should be reasonably polished.

The final grade will be computed as:

- Problem Sets: 60%

- Scribing: 30%

- Participation in class: 10%

Collaboration Policy

We strongly encourage collaboration. We do not expect you to be able to solve every problem on your own. We **do**, however, expect you to write up your own solution to every problem even if the solution is the result of a collaborative effort. To repeat: each person **must** write up their solutions separately. Also, in your write-up please credit the people with whom you worked. If you consult any reference material, please note which sources you used for each problem.