

CSE 322: Introduction to Formal Models in Computer Science

Spring 2006

- Subscribe to the class mailing list immediately. Everyone is expected to read `cse322` e-mail to keep up-to-date on the course. To subscribe to the *CSE 322* mailing list, visit <http://majordomo.cs.washington.edu/mailman/listinfo/cse322>. If you had subscribed yourself before March 26, 2006, please resubscribe.
 - Mark the appropriate 30 minute time slots in the “Office Hours” sheet to indicate when you would be able to attend office hours.
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Instructor and TA information

- Atri Rudra (Instructor)
 - *Email:* `atri@cs.washington.edu`
 - *Office:* CSE 210
 - *Phone:* 685-2036
 - *Office Hours:* TBA

I normally do not sit in CSE 210, so please set up an appointment if you want to talk to me outside of my office hours. The best way to reach me is email.

- Jenny Liu (TA)
 - *Email:* `jen@cs.washington.edu`
 - *Office Hours:* TBA
- Tobias Roseman (TA)
 - *Email:* `tobyrc@cs.washington.edu`
 - *Office Hours:* TBA

Text Book

We will be using the following text book.

- Michael Sipser, *Introduction to the Theory of Computation*, (2nd edition) PWS Publishing, 2005.

There will be some material taught that is not covered in the book—handouts will be given out at the appropriate times.

Grading and such like

You will be graded on weekly assignments, one midterm examination and one final examination. The (rough) split of marks will be as follows:

- Weekly Assignment (40-45%).
- Midterm examination (20-25%).
- Final examination (35-40%).

There will be extra credit (for bonus questions on some assignments).

Assignments

There will be about eight weekly problem sets, generally due on Fridays. Homework should be handed in at the beginning of lecture on the day it is due. **Late problem sets will not receive credit.** (If a genuine emergency situation prevents you from handing in an assignment on time, come talk to one of us and we can work something out. Similarly, if you can anticipate an extraordinary or unusual circumstance that will necessitate an extension, please talk to us *ahead of time.*)

Why should you do homeworks ?

The only way to learn in this class (as is the case in general with math) is to

1. Practice,
2. Practice, and
3. Practice.

It is like learning to ski. You cannot learn much by just looking at someone do it. The only “fool-proof” way to learn is to try it out yourself, fall a few times and keep going at it. Some things in the course might seem like “magic” at first glance but remember that your instructor and TAs have had more practice than you. So do your homeworks diligently and try and work on problems other than the ones assigned (the textbook is a good source for additional problems).

Collaboration

In the assignments, for questions marked with a * (“star”) collaboration is **not** permitted (these questions are intended to review the material covered in class).

Other than the special case above, unless we specifically state otherwise, we permit collaboration on the problem sets to the extent of formulating ideas as a group, provided

1. You spend *at least 30 minutes* on each and every problem **alone**, before discussing it with others (this might seem very restrictive, but this will almost certainly help you in the midterm and final exams),
2. You write up each and every problem in **your own writing, using your own words**, and understand the solution thoroughly and completely, and
3. You clearly **acknowledge and list the names** of everyone that you discussed the problem set with.

Honor Code/Cheating

Your solutions to the problem sets must be original work (modulo collaboration as permitted above). Copying someone else's solutions obviously counts as cheating (see below), as does copying the homework from another source (the web, other classes, etc.). The questions in the problem sets have been carefully selected for their pedagogical value and may be similar or even identical to questions on problem sets from past offerings of this course at UW or similar courses at other universities. Using any pre-existing solutions from these sources, or using solution material from the Web is **strictly prohibited**.

Cheating is a very serious offense. If you are caught cheating, you can expect a failing grade and initiation of a cheating case in the University system. Basically, cheating is an insult to the instructor, to the department and major program, and most importantly, to you. If you feel that you are having a problem with the material, or don't have time to finish an assignment, or have any number of other reasons to cheat, then talk with the instructor. Just don't cheat.

To avoid creating situations where copying can arise, never e-mail or post your solutions. You can post general questions about interpretation and tools but limit your comments to these categories. If in doubt about what might constitute cheating, send the instructor e-mail describing the situation.

Examinations

The exams will be in class, closed book and closed notes except for review sheets noted below.

- *Midterm exam.* Friday, May 5, during class times, i.e. 1:30-2:20pm in JHN 175. One 4" x 6" review sheet is allowed.
- *Final exam.* Monday, June 5, 2:30-4:20pm, JHN 175 (this is as listed in the official exam schedule). Two 4" x 6" review sheets are allowed

A word of advice on review sheets: do not spend much time trying to cram in as much as possible in the review sheets. The time would be better spent studying for the exams.

Reading Assignment

Read Chapter 0 from the Sipser text. This would also be a good time to review your CSE321 material.

Suggestions or Comments?

We would be happy to get feedback from you. You can either

- Talk/send email to the instructor and/or TAs, or
- Use the anonymous feedback form on the class webpage.

Class Webpage

Frequently check the class webpage for updates: <http://www.cs.washington.edu/322>