

# CSC236 Summer 2005

## Course information sheet

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Here's a summary of the administrative details of CSC236, "An Introduction to the Theory of Computation," for Summer 2005. Please check the course web page (below) often.

**COURSE WEB PAGE:** See <http://ccnet.utoronto.ca/20055/csc236h1y/> for ongoing course information. You are responsible for announcements posted here, and you should check it weekly. You should register as a student on the course web page, so that you can use the bulletin board and receive announcements by email.

**LECTURES:** Lectures are Tuesdays from 7 – 9 p.m., in BA1180. I can be reached in person at SF4306A ("SF" is for Sandford Fleming), in BA1180 during lectures, asynchronously at [heap@cs.toronto.edu](mailto:heap@cs.toronto.edu), or occasionally at 416-978-5899. I hold office hours in the lecture theatre immediately following each lecture, in SF4306A on Wednesdays from 11 am – 2 pm, or by appointment.

I will also answer some questions, and (occasionally) provide hints on the bulletin board of the course web page.

**TUTORIALS:** Tutorials begin the SECOND week of classes. The 10 tutorials which don't have midterm scheduled (see marking scheme below) will include a quiz based on the previous week's lecture (your grade will be based on the best 5/10 quizzes), as well as explanations of the current assignment and assignment hints.

**TEXTBOOK AND COMPUTING:** The text for this course is "Course notes for CSC B36/236/240: Introduction to the theory of computation," by Vassos Hadzilacos, currently available in the university bookstore. The new version has chapters 0–8, and you'll need to photocopy chapter 8 if you have an old version. I have requested accounts for each student at the CDF facility (questions? [admin@cdf.toronto.edu](mailto:admin@cdf.toronto.edu)), to facilitate assignment questions that might involve some java programming, or in case you want to prepare assignment with Lyx or experiment in the programming language of your choice.

**SYLLABUS:** We will discuss the following topics:

- Non-inductive proof techniques review (Course notes 5.8)
- Induction definitions, examples, pitfalls (Course notes chapter 1)
- Functions defined by induction, recurrences, structural induction (Course notes chapter 3)
- Program correctness (Course notes, chapter 2)
- Propositional logic (Course notes chapter 5)
- Predicate logic (Course notes chapter 6)
- Formal languages (Course notes chapters 7 and 8)

MARKING SCHEME: Here's the marking scheme for this course. The four assignments are weighted 8%, 8%, 9%, 10% so that your best effort receives the highest weight. There will be 10 quizzes during tutorials, and your mark is based on your best 5 efforts. In addition to this scheme, you must earn a minimum of 40% of the marks on final exam to pass this course.

ITEM	DUE	WORTH
Quizzes	All but 1st, 7th, and 12th week	10%
Assignment 1	Thursday June 9	8%
Assignment 2	Thursday June 23	8%
Midterm 1	Tuesday June 28 (in tutorial)	10%
Assignment 3	Thursday July 14	9%
Assignment 4	Thursday July 28	10%
Midterm 2	Tuesday August 2 (in tutorial)	10%
Final exam	Three hours during the week August 15th–19th	35%

LATENESS, SICKNESS, NATURAL DISASTERS: Late work cannot be accepted, since we will be posting solutions promptly. If you have special circumstances that force you to miss a deadline, please contact me immediately (usually before the work is due) and fill out either the "Request for special consideration," or the standard medical excuse form, (both forms are available on the web page) and provide all supporting documentation. I will do my best to ensure that there is no penalty for a deadline missed for a valid reason.

PLAGIARISM: Passing off somebody else's work as your own for credit is a serious academic offense, and it can have serious academic consequences. Be sure to give full and generous credit to any person or book (except the course notes, instructor, teaching assistants, and your assignment partner) you consult in solving your assignments. If you take notes when you consult a source, then you should quote that source in full.