

# CS 388L: Introduction to Mathematical Logic

## Spring 2009

**Unique Number:** 54375.

**Time and Place:** TTh 12:30–2, RLM 5.118.

**Instructor:** Vladimir Lifschitz ([vl@cs.utexas.edu](mailto:vl@cs.utexas.edu)).

**Office Hours:** TTh 2-3 and by appointment, TAY 3.150B.

**Teaching Assistants:** Juhyun Lee ([impjdi@cs.utexas.edu](mailto:impjdi@cs.utexas.edu)) and Daniel Lessin ([dlessin@cs.utexas.edu](mailto:dlessin@cs.utexas.edu)).

This course is an elementary but mathematically solid introduction to propositional and first-order logic. You will learn logic mainly by doing homework problems, by presenting your solutions to the class, and by studying and discussing the solutions presented by others. There is no textbook; the necessary theory and the statements of problems will be provided in a set of lecture notes. Although some of the problems are difficult, you should make a serious effort to solve each of them. Try to figure out solutions by yourself or in collaboration with other students, but not by asking someone who already knows the answers, and not by reading books.

**Tests.** Tests will be given during regular class periods on March 12 and May 7. There will be no final. You will be allowed to use the lecture notes handed out in class and any notes that you have made during the semester, but you should not use any other notes or books.

**Quizzes.** Several take-home quizzes will be assigned in this class. When you are working on a quiz, you may use the lecture notes and any notes that you have made. But you should not use books, web resources, or notes written by others, and you should not accept any help. A quiz must be handed in at the beginning of the class following the one at which it was assigned.

**Class Participation.** You are expected to volunteer to present a solution to a homework problem at least once during the semester; in this way you will get credit for class participation. This should be a solution that you found by yourself, without help from others.

**Grading.** Your grade will be determined by the tests (30% each), the quizzes (20%), and class participation (20%).

Information on the classes taught by Vladimir Lifschitz can be found at <http://www.cs.utexas.edu/users/vl/teaching/teaching.html> .