MAT 309: Introduction to Mathematical Logic, Fall 2019

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　　　　　　　　　　　Please use email for personal matters only (include "MAT309" in the subject); post all other questions and comments in the course forum.

Textbook　　　　　　"A Friendly Introduction to Mathematical Logic" (2nd Edition)
　　　　　　　　　　　by Christopher C. Leary and Lars Kristiansen

　　　　　　　　　　　Available <u>online</u> and at the UofT bookstore for $45.00.

Course description　　This course will cover chapters 1-6 and parts of chapters 7-8 of the textbook. Topics include: first-order logic, the relationship between truth and provability, soundness and completeness theorems, Gödel's Incompleteness Theorem, and an introduction to computability theory. Time permitting we will explore additional topics, such as the theory of real-closed fields and the zero-one law for random graphs.

Course website　　　http://www.math.toronto.edu/rossman/MAT309.html

　　　　　　　　　　　Check the course website for the textbook sections to be covered in each lecture (required reading!)

Forum　　　　　　　https://piazza.com/utoronto.ca/fall2019/mat309h1

　　　　　　　　　　　For all questions and comments related to the course material.

Lectures　　　　　　Tuesday 2-4 and Thursday 3-4 in <u>MP 203</u>

Tutorials　　　　　　Friday 10-11 in <u>BA 1200</u>
　　　　　　　　　　　Friday 11-12 in <u>BA 1200</u>
　　　　　　　　　　　Friday 3-4 in <u>HA 403</u>
　　　　　　　　　　　Friday 4-5 in <u>HA 401</u>

Office hours　　　　　Tuesday 12-1 in <u>BA 6214</u>

Grading Scheme	5%	Problem Set 1
Updated Oct 24	5%	Problem Set 2
	8%	Problem Set 3
	12%	Problem Set 4
	20%	Midterm exam (took place in class on October 10)
	50%	Final exam

Original Scheme	15%	Homework assignments (four problem sets)
	20%	Term test 1 (in class on October 10)
	20%	Term test 2 (in class on November 14)
	45%	Final exam

The term test will take place during class hours in the usual classroom (MP 203). If you must miss an exam due to medical reasons, you must inform the instructor by email in advance (or as soon as possible) and present a doctor's note in accordance with UofT policy.

Homework policy   Homework assignments will be due *in class* on the designated due date. Late submissions will not be accepted. Each assignment will be graded based on an undisclosed few problems. Students are encouraged to work alone; collaboration is permitted, but make certain to include the name of anyone you work with.