MAT 309: Introduction to Mathematical Logic, Winter 2017

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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 online and at the UofT bookstore for $23.25.

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 http://piazza.com/utoronto.ca/winter2017/mat309h1/home

For all questions and comments related to the course material.

Lectures Monday, Wednesday, Friday 12-1 in MP 103

Tutorials Wednesday 3-4 in LM 155
Wednesday 4-5 in MP 118
Friday 1-2 in HA 316
Friday 2-3 in HA 316

Office hours Monday 3-5 in SF 2302B (from January 16) or by appointment

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Grading

10%	Homework
25%	Midterm #1 (during class hours on February 6)

25% Midterm #2 (during class hours on ~~March 6~~ March 8)
40% Final exam (date TBD)

~~Both midterms will take place in UC 266 & 273.~~
Midterms will take place in the usual classroom (MP 103).

Homework policy Homework assignments will be due *in class* on the designated due date. Late submissions will not be accepted. Each assignment (worth $\approx 2\%$ of the overall grade) 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.