Lectures: Wednesday 4:10-6:30, 331 URIS
Instructor: Toniann Pitassi, toni@cs.columbia.edu
TA: Yasaman Mahdaviyeh
Office hours: Tuesday 2:45-3:45 (Yasaman), Monday 5-6 (Toni)

Course Notes: PDF files for course notes, lecture notes and other handouts will be available on the course webpage.

Office Hours: Monday office hours via zoom (see Courseworks for link). Please email ahead of time if you plan to attend office hours (on either day).

Topics:


Marking Scheme:

2 assignments (each worth 20% of final grade)
First Term test (20% of final grade)
Second Term Test (20% of final grade)
Class participation (10% of final grade)

Due Dates:

First Test (In Class): Wednesday Oct 19, 4:10-6:30pm
Second Test (In Class): Wednesday, Dec 7, 4:10-6:30pm
Assignment 1 due date: Tuesday Oct 11 11:59pm
Assignment 2 due date: Tuesday Nov 29 11:59pm

The work you submit must be your own. You may discuss problems with each other; however, you should prepare written solutions alone.

Optional Supplementary References:

H.B. Enderton, A Mathematical Introduction to Logic (undergrad)
G Boolos and R.C. Jeffrey, Computability and Logic (undergrad)
E. Mendelson, *Introduction to Mathematical Logic*, 3rd edition (undergrad/grad)
J.N. Crossley and others, *What is Mathematical Logic?* (informal, readable)
M.Davis, R. Sigal, and E. Weyuker, *Computability, Complexity, and Languages: Fundamentals of Theoretical Computer Science* (undergrad/grad)