

**Math 570 (Intro to Logic & Computability),
Fall 2014
TR 10:30am-noon, DRL 4C8
University of Pennsylvania**

Instructor: William Simmons, DRL 4C3, wsimmo@sas.upenn.edu.

Office Hours (held in DRL 4C3): W: 1:00-2:30 pm; F: 10:30am-noon

Class website: I anticipate using the Canvas system (<https://canvas.upenn.edu>), but our site is still getting set up (as of 8-27-14). If necessary, I will email you announcements, assignments, etc., until the site is running. (So please make sure to monitor the email you have on your student profile.)

Textbook: Herbert B. Enderton, *A Mathematical Introduction to Logic*, 2nd Ed., Harcourt/Academic Press (Elsevier), 2001.

Exam and other important dates:

- Add deadline: Monday, Sept. 15.
- Drop deadline: Friday, Oct. 3.
- Withdrawal deadline: Friday, Nov. 7.
- Final exam: Thursday, December 18, 2014, 9:00-11:00 am, location TBA.

Homework: Weekly homework is generally due at the beginning of class on Thursdays; any changes will be announced through email or Canvas. *Late work will not be accepted, so please talk to me ahead of time if you face a legitimate extenuating circumstance.* The first assignment will be due Thursday, September 4.

Grades: Your grade will be determined by the following breakdown:

- 50% homework, 50% final

Actual letter grades are calculated as follows:

- A: Earned 80% or more of available points
- A-: Earned between 70 and 79% of available points
- B+: Earned between 60 and 69% of available points
- B: Earned between 55 and 59% of available points
- B-: Earned between 50 and 54% of available points

- C: Earned between 40 and 49% of available points
- F: Below 40% of available points

If you make a good-faith effort and have met the prerequisites, you should be able to earn a good grade. If there are problems, talk to me early so that we can figure out how you will achieve success with the material. Grades are fully determined by the numbers, so please don't request exceptions.

Canvas: Consult Canvas both to see how you are doing and to ensure accurate recording of grades. Errors in recording and/or grading must be brought up within a week of the assignment being returned.

Academic Honesty:

- You must write up your own work so that it represents your own understanding. You are welcome to study together, talk about problems with others, look at math resources online, etc., BUT you need to write your final solution on your own (i.e., NO COPYING, whether it be another student's solution or something online). You should also not allow your own work to be copied. Likewise, work on the final must be your own.
- Infractions will result in loss of credit for the exam or assignment and, depending on the situation, university discipline. For more details, see <http://www.upenn.edu/academicintegrity/>.

You and Your Work

- (Background knowledge) The essential prerequisites for the course are some acquaintance with abstract mathematics. You don't need any particular specialized knowledge in algebra, analysis, etc., but you should feel comfortable with reading and writing basic proofs. Exposure to beginning abstract algebra and real analysis will make examples more meaningful. Most of all, you need to be curious about mathematical logic and be willing to think through the material we discuss.
- (Reading) Study the assigned material before class. Find out what you don't understand, and bring questions!
- (Homework) Write neatly and show all relevant work needed to understand your thought process. Incomprehensible and/or overly messy answers may not receive credit. The course is more theoretical than some others you have taken and the emphasis is on clear written explanations rather than explicit calculation. Be sure to use complete sentences and correct grammar in your work.
- (Attendance) You do not need to contact me via the Course Absence Report system on CoursesInTouch, but if you are frequently absent from class meetings, we need to talk.
- (Accommodations) Please talk to me as soon as possible about accommodations through Student Disabilities Services (Stouffer Commons, 3702 Spruce Street, Suite 300, <http://www.vpul.upenn.edu/lrc/sds/>), scheduling conflicts with religious holidays, athletic events, etc., or working around health issues and other situations.