

Homework 0

Due: September 13, 2024

CS 1510: Intro. to Cryptography and Computer Security

1 Preliminaries

Please answer a few quick questions about yourself:

- a. Name:
- b. Email:
- c. Are you a first-year, sophomore, junior, senior, Master's, PhD student, or other?
- d. Are you a remote-only student?
- e. If you are an undergraduate, what is your concentration? If you are a graduate student, what is your field of study?
- f. Why do you want to take this course? What do you want to learn?
- g. What is your math background?
- h. Is there anything else you would like us to know?

2 Academic Honesty Policy

In this class, we want to encourage you to work together and read outside reference materials. The use of ChatGPT is permitted. However, to ensure academic honesty, you must do the following:

- List the name of every person with whom you collaborated on an assignment (or note that you did the assignment alone).
- Do the write-up entirely on your own. (Do not copy-paste from any source.)

- Cite every resource you looked at while doing an assignment (including ChatGPT)—even if you ultimately did not find the information useful (be aware that ChatGPT is not great at math).

Do you understand the CS 1510 academic honesty policy (circle one)? YES / NO

3 Homework Structure

The weekly homework assignment will be released every week on Friday and be due on Gradescope by 11:59 PM on the following Friday. Each homework should include the following:

- Your collaborations and citations declaration (as described above).
- Complete answers to each of the problems (show your work). Answers should be easily legible—we prefer work that is typeset in TeX, but will accept work that is handwritten (neatly) and then scanned (we recommend the app Scannable).
- The last question on each assignment will ask you to summarize the most important insights from the week into a one-page resource. We recommend synthesizing material from the lectures, notes, textbook, and homework problems (in your own words—please note that the academic honesty policy still applies). You will receive full credit for completing the page (i.e. this question is not graded for correctness). We expect that these summary pages will help with your studies and exam preparation.

Do you understand the CS 1510 homework structure (circle one)? YES / NO

4 Take-Home Exams Policy

The midterm and final exams will both be take-home and one week long. No collaboration is allowed for the exams. No late days or extensions will be granted.

Do you understand the CS 1510 take-home exams policy (circle one)? YES / NO

5 First Summary Question

Summarize the most important insights from this week’s material, including from the lectures, notes, textbooks, homework problems, and other resources you find helpful, into a one-page resource. Note that “this week” refers to the first three lectures of the course. Please note this question is graded based on completion—we will not be checking it for correctness.