CS/ECE 374A: Intro. Algorithms & Models of Computation, Fall 2022

Midterm 1 Monday, September 26, 2022: 7-9pm

Location	on: Foellinger Auditorium
Name	← Please PRINT
NetID	← Please PRINT

- Please print your name and NetID. Anonymous submissions would not be graded.
- There are five questions you should answer all of them.
- If you brought anything except your writing implements, your double-sided **handwritten** (in the original, by yourself)  $8\frac{1}{2}$ " × 11" cheat sheet, and your university ID, please put it away for the duration of the exam. In particular, please turn off and put away *all* medically unnecessary electronic devices.
  - Submit your cheat sheet together with your exam. We will not return or scan the cheat sheets, so photocopy them before the exam if you want a copy.
  - If you are NOT using a cheat sheet, please indicate so in large friendly letters on this page.
- Please read all the questions before starting to answer them. Please ask for clarification if any question is unclear.
- This exam lasts 120 minutes. The clock started when you got the questions.
- If you run out of space for an answer, feel free to use the blank pages at the back of this booklet, but please tell us where to look.
- Give complete solutions, not examples. Declare all your variables. If you don't know the answer admit it and move to the next question. We will happily give 0 points for nonsense answers.
- Style counts. Please use the backs of the pages or the blank pages at the end for scratch work, so that your actual answers are clear.
- Please return *all* paper with your answer booklet: your question sheet, your cheat sheet, and all scratch paper.
- Good luck!