

CSCE 222 Discrete Structures for Computing – Fall 2023

Hyunyoung Lee

Extra Credit Assignment (Exam Portion)

Due date: Electronic submission of your hand-written, scanned, and named *yourLastName-yourFirstName-ec.pdf* file of this assignment is due on **Wednesday, 11/29/2023 before 11:59 p.m.** on <https://canvas.tamu.edu>. Your file must contain your name and UIN on each page top.

Our final exam is comprehensive – approximately 1/3 of the questions are from the topics covered in Exam 1, another approx. 1/3 from those covered in Exam 2, and the remaining approx. 1/3 from the topics we are studying now and the next few weeks (Ch.13 generating functions, Ch.14 recurrence relations and solving them, and Ch.17 formal languages).

Problem Statement. This extra credit assignment is to help you prepare for the final exam by solving *every* question in both Exam 1 and Exam 2 with your own explanations added *in your own words*. Explanations can be brief, but should be insightful.

What You Earn. You can earn up to 25 points on the exam category (that is, you can earn up to $25 \times 0.2 = 5$ points extra in the final weighted average total since each exam has a weight of 20% on your final weighted average).

Format Requirement. Only fully hand-written and scanned submissions will be accepted for this extra credit assignment. So, get some blank sheets of paper and already write your first and last names and your UIN at the top of each page (so your name and UIN are shown on each page).

Clearly mark where Exam 1 starts and where Exam 2 starts by writing Exam 1 (or Exam 2) prominently and underline or draw a box around it. Following the title (Exam 1 for example), you will solve every question *in sequence* with the question number clearly marked, such as Q1, Q2, and so on, preferably a box drawn around the Q1, Q2, and so on (so whoever grades it can easily find the question numbers).

Solving these questions in sequence is very important; if you skip question numbers, we will assume that you did not solve those skipped questions (we will not try to find them in other parts of your submission). If you cannot solve some questions, you can leave some blank spaces for those questions and go back and fill them in later.

Please be neat. Please remember that if we cannot decipher what you wrote or what you meant, we cannot give you the points.

There are scanners throughout the campus (such as those copiers in the Zachry building and in the CSE department office in the Peterson building have scanning functions) you can use for free. Please do not submit a photo of your pages since the size of the files tend to be very big then.

The scanned file must be named as *yourLastName-yourFirstName-ec.pdf*, e.g., *lee-hyunyoung-ec.pdf*.

Conclusion. By working on this extra credit assignment, you will do a careful review of the materials covered in the two exams. This means you can earn extra credits by studying for the final! So you will be doubly rewarded for your efforts!

Have fun!