

CS624 - Analysis of Algorithms

Fall 2025 – Midterm Review

October 15, 2025

Midterm Exam I

- The midterm exam will take place on Monday, October 20, in class.
- Covered material: Induction, generating functions, runtime analysis, heaps, sorting (mergesort, insertion sort, quicksort, heapsort, lower bounds).
- This is HW 1-2
- Probably 4 questions. Assume every topic will be covered.

Midterm Exam I

- Bring up to ten (or five two-sided) **hand written** notes.
- No books, no computers, no cellphones/smartphones/tablets, strictly no friends.
- You can bring a simple calculator and a wrist watch (no smart watch!).
- I will project the time on the screen.
- It will count towards 25% of your final grade.
- Write clearly (or I'll call you to my office!) and be concise!