

CSE 3500 Algorithms and Complexity – Fall 2026

<https://raj.cse.uconn.edu/cse3500-fall2026/>

Text: Introduction to Algorithms by T.H. Cormen, C.E. Leiserson, R.L. Rivest, and C. Stein, Third Edition, MIT Press.

Grading Policy: Three or four assignments worth a total of 10 points; Three (closed book) exams worth a total of 90 points

Topics to be covered:

- Preliminaries (Chapters 1, 2, 3, 4, 5)
- Divide and Conquer, Sorting and Selection (Chapters 4, 6, 7, 8, 9)
- Data Structures (Chapters 10, 11, 12, 13, 21)
- Dynamic Programming (Chapter 15, 25)
- Greedy Algorithms (Chapter 16)
- Graph Algorithms (Chapters 22, 23, 24)
- Parallel and Randomized Algorithms
- Intractable Problems (Chapter 34)

For lecture notes from Fall 2016 see:

<https://raj.cse.uconn.edu/cse-3500-algorithms-and-complexity-fall-2016/>