Course Text

Baase and Van Gelder,
Computer Algorithms, 3rd Edition

Course Topics (time allocations may vary)

- Graph Algorithms and Dynamic Sets (5–6 weeks)
- Sorting and Selection (2 weeks)
- Dynamic Programming (2 weeks)
- Pattern Matching (1 week)
- NP-Complete Problems (2 weeks)
- Parallel Computation (1 week)

Grading Policy

All homework assignments are to be submitted in recitation section meetings on specified dates.

Grades will be based on a point total computed using the following weighting formula:

\[
\text{maximum}(20\% \text{ homework } + 30\% \text{ midterm } + 50\% \text{ final},
\quad 20\% \text{ homework } + 80\% \text{ final}).
\]

There will be no makeup exam for the midterm.

The final exam is scheduled for December 19, 12–3 pm.

The final exam will cover the entire semester with uniform emphasis.