

## CMSC 451: Homeworks

Each homework problem is worth 3 points and is graded on the following scale:

- 0: incorrect or unreadable
- 1: partially correct
- 2: substantially correct
- 3: correct and well-written

Homeworks count for 10% of the total class grade. The 4 problems on which you receive the lowest scores will be dropped. The class is graded on a curve. Homework and exam grades will be posted on [grades.cs.umd.edu](http://grades.cs.umd.edu). If you believe an error was made in grading your homework, you must submit a regrade request within 1 week in writing. Illegible or vague homeworks will receive a score of 0. “That’s what I meant” is never a valid reason for a regrade. At least the first exam (and possibly the 2nd exam and the final) will be open homework: you may use **your own, graded homework solutions** during the test.

Complete the following problems in your textbook, *Algorithm Design*. Homeworks are due at the beginning of class on the date indicated. No late homeworks will be accepted. Supplemental problems may be added during the semester to those listed below.

**9/9:** 1.1, 2.3, 2.4, 2.5

**9/16:** 3.1, 3.5, 3.6, 3.7

**9/23:** 3.10, 4.2, 4.3, 4.4

**9/30:** 4.7, 4.13, 4.17

**10/7:** 5.3, 5.6, 6.1

**10/14:** 6.5, 6.9, 6.12, 6.20

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**11/4:** 7.1, 7.3, 7.5, 7.7

**11/11:** 7.9, 7.13, 7.21

**11/18:** 8.1, 8.3 (reduce from Independent Set), 8.5 (reduce from Vertex Cover)

**11/25:** 8.14, 8.17, and linear programming assignment (details soon)

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**12/9:** 11.1, 11.3, 13.1 (tentative)