Analysis of Algorithms (COT4400), Section 2

Monday and Wednesday, 12:30–1:45, CHE 102

Web page: http://www.csee.usf.edu/~eugene/algs/

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Exams
There will be two midterm exams and a final exam:
  Exam #1    February 16 (Wednesday), 12:35-1:45
  Exam #2    March 29 (Wednesday), 12:35-1:45
  Final Exam May 3 (Wednesday), 1:00–3:00

Homeworks
Homeworks will usually be assigned every week; in addition, the course will involve three or
four small programming projects. Each homework and project is due in the beginning of the
class meeting (that is, at 12:30pm) on the due date; late submissions will get fewer points:

- less than 24 hours past the deadline   grade is reduced by 25%
- 24 to 48 hours past the deadline    grade is reduced by 50%
- more than 48 hours past the deadline too late!

Grading scheme

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<thead>
<tr>
<th>Component</th>
<th>Weight</th>
<th>Minimum</th>
<th>Maximum</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>Exam #1</td>
<td>15%</td>
<td>80–100</td>
<td>A</td>
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<tr>
<td>Exam #2</td>
<td>15%</td>
<td>65–79.99</td>
<td>B</td>
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<tr>
<td>Final Exam</td>
<td>30%</td>
<td>50–64.99</td>
<td>C</td>
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<tr>
<td>Homeworks</td>
<td>25%</td>
<td>0–49.99</td>
<td>F</td>
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<td>Projects</td>
<td>15%</td>
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Tentative course outline

- Mathematical foundations (Section 2.1 and Chapter 4)
- Sorting (Chapters 7–9)
- Data structures (Section 11.1, Chapter 13, and Chapter 22)
- Graph algorithms (Chapters 23–25)
- Dynamic programming (Chapter 16)
- Greedy algorithms (Chapter 17)
- String matching (Chapter 34)
- NP-completeness (Chapter 36)