# Analysis of Algorithms (COT 4400)

**Monday and Wednesday, 2:00–3:15, CPR 127**

**Textbook:**
T. H. Cormen, C. E. Leiserson, R. L. Rivest, and C. Stein,
*Introduction to algorithms*
**Web page:** www.csee.usf.edu/∼eugene/ta/

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### Exams

| | |
|---|---|
| Exam 1 | February 12 (Wednesday), 2:05–3:15 |
| Exam 2 | March 26 (Wednesday), 2:05–3:15 |
| Final Exam | April 23 (Wednesday), 2:05–3:15 |

### Homeworks

Each homework is due in the beginning of the class meeting (that is, at 2:00pm) on the due date. If a homework is submitted after this deadline, it 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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|---|---|
| Exam 1 | 20% |
| Exam 2 | 20% |
| Final Exam | 50% |
| Homeworks | 10% |

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|---|---|---|---|
| 90–100 | A+ | 65–74.99 | B |
| 85–89.99 | A | 50–64.99 | C |
| 80–84.99 | A– | 0–49.99 | F |
| 75–79.99 | B+ | | |

### Tentative course outline

| Topic | First Edition | Second Edition |
|---|---|---|
| Math foundations | Chapters 2 and 4 | Chapters 3 and 4 |
| Sorting | Chapters 7–9 | Chapters 6–8 |
| Data structures | Chapters 13 and 22 | Chapters 12 and 21 |
| Graph algorithms | Chapters 23 and 24 | Chapters 22 and 23 |
| Greedy algorithms | Chapter 17 | Chapter 16 |
| Dynamic programming | Chapter 16 | Chapter 15 |
| NP-completeness | Chapter 36 | Chapter 34 |