Analysis of Algorithms (COT4400)

Tuesday and Thursday, 9:30–10:45, EMC 100

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

Instructor: Eugene Fink
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Exams

There will be two midterms and a final exam:

Exam #1	February 15 (Thursday), 9:35–10:45
Exam #2	March 29 (Thursday), 9:35–10:45
Final Exam	April 26 (Thursday), 9:35–10:45

Homeworks

Homeworks will usually be assigned every week. Each homework is due in the beginning of the class meeting (that is, at 9:30am) on the due date. If a homework is submitted after 9:35am, 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

Exam #1	25%	90–100	A+	65–74.99	B
Exam #2	25%	85–89.99	A	50–64.99	C
Final Exam	40%	80–84.99	A–	0-49.99	F
Homeworks	10%	75–79.99	B+		

Tentative course outline

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