CS180 Eli Gafni 461 Eng VI eli@ucla.edu Office W 3-4.

Text: Algorithm Design, Jon Kleinberg / Eva Tardos
        Addison-Wesley 2006.
Recommended: Introduction to Algorithms: A creative approach,
Udi Manber, Addison-Wesley 1989.

Syllabus:

1. Intro – Chap 1/3 +Data Structures/Graphs	2 weeks
2. Greedy – Chap 4 exclude 4.3, 4.7-4.9	1 week
3. Divide and Conquer – Chap 5 exc. 5.5-5.6	1 week
4. Dynamic Programming – Chap 6 exc. 6.5, 6.10	1.5 weeks
5. Max-Flow – Chap 7 exc. 7.4, 7.6, 7.11, 7.13	1 week
6. NP Comp. Intractability Chap 8	1.5 weeks
7. Misc : Distributed, Parallel Approx, and Randomized Algs	
Time Permitting.	2 weeks

Your grade is based on the maximum of 20% homework, 25%
midterm, 55% final or 100% final.

TAs and procedures submitting homework will be announced at
the first meeting.