

Spring 2007 CS7301 Design and Analysis of Approximation Algorithms

(ECSS 3.910 10:30-11:45am MW)

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Textbooks : Ding-Zhu Du and Ker-I Ko, *Design and Analysis of Approximation Algorithms*, Distributed in class;

Topics :

Week 1: Introduction;
Week 2-3: Greedy Strategy;
Week 4-6: Restriction;
Week 7-8: Partition;
Week 9-10: Guillotine Cut;
Week 11-12: Relaxation;
Week 13: Linear Programming;
Week 14: Rounding.

Assignments : There will be two assignments. Each assignment will be due at the time as shown in my homepage. **No late assignment will be accepted.**

Examinations : There will be one tak-home examinations.

Weights of Assignments and Exams : Each assignment 25%; the examination 50%.
Grades will be assigned according to the total points as follows: $A \geq 85$, $85 > B \geq 70$,
 $70 > C \geq 50$.