Math 430   Operations Research   Fall 2003   Handout
Course Information

Instructor: Serkan Hoşten

- **Lecture:** TTh 9:35-10:50, HSS 305.

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Text: *Introduction to Linear Optimization* by D. Bertsimas and J.N. Tsitsiklis.

Prerequisite: Math 226 (Calculus I) and Math 325 (Linear Algebra) or equivalent.

Office Hours: Tuesdays 12:15-2:45 pm, TH 944.

Exams
    Exam I : Tuesday, October 7.
    Exam II: Tuesday, November 11.
    Final: to be announced.

Grading

- Two exams (20 % each)

- Final (30 %)

- Homework (30 %)

Homework

    Typically you will be assigned a homework set each week on Thursday. It will be due at the start of the lecture on the following Thursday. I am expecting that you attempt to solve all questions. **No late homeworks will be accepted, and there will be no exceptions to this rule**. At the end of the semester, the homework with the lowest grade will be dropped and will not be considered for your letter grade. All homework is expected to be an individual effort. You may discuss homework problems with your classmates and with me, but the writeups must be done individually and in your own words.

Office Hours

    You should not hesitate to come to the office hour if you have any questions about course material or if you are stuck on a homework problem.If your schedule does not allow you to come to the office hours, you should send me e-mail and make an appointment.

Course Webpage

The course webpage can be found at `http://fener.sfsu.edu/~serkan/math430/index.html`. This site will contain up-to-date information about the course and other useful links.

Course Outline

Through the end of October, I am planning to go through the first five chapters of the book, concentrating on linear programming: modeling, geometry, simplex method, duality, and sensitivity analysis. Then the first three weeks of November will be on integer programming: chapter 10 and 11. In the remaining time we will look at an introduction to network flow problems (the beginning sections of Chapter 7).