

MthSc 440 — *Linear Programming*  
Spring 2004

**Meeting Time:** 11:00–12:15 Tu Th, M-204 Martin

**Instructor:** Dr. D. Shier, 656–1100, O-22 Martin, shierd@clemson.edu

**Office Hours:** Tu Th 2:00–3:15, W 10:10–11:00, and by appointment

**Textbooks:** J. Ignizio and T. Cavalier, *Linear Programming*, Prentice Hall, 1994, ISBN 0-13-183757-5 (required)

**Web Page:** [www.ces.clemson.edu/~shierd/Shier/MthSc4404/ms440.html](http://www.ces.clemson.edu/~shierd/Shier/MthSc4404/ms440.html)

**Prerequisites:** MthSc 206 and MthSc 311

**Grading Policy:** 40% Two Hour Tests (February 5, March 25)  
25% Homework Assignments  
35% Comprehensive Final Exam (April 27)

No make-up hour exams will be given. No exemptions on the final exam. Letter grades will be assigned as follows (cutoff score):

A+: 97;	A: 94;	A-: 90
B+: 87;	B: 84;	B-: 80
C+: 77;	C: 74;	C-: 70
D+: 67;	D: 64;	D-: 60
F: less than 60.		

**Course Objectives:** To provide an understanding of the fundamental concepts of linear programming, including the simplex method, duality, sensitivity analysis, and networks. Model formulations and applications to various economic and managerial problems are also stressed. The LINDO software package will be used to solve and analyze problems.

**Course Contents:** The course will cover the majority of Chapters 1- 4, and portions of Chapters 5- 6, 9-10 in the textbook.

**Attendance Policy:** All students are expected to be regular and punctual in their class attendance. Students are responsible for all material presented in the classroom, including test dates. Class is dismissed if the instructor is more than 15 minutes late.

**Academic Dishonesty:** The Clemson University policy on academic dishonesty (Student Handbook and [http://www.math.clemson.edu/ug\\_reg.html](http://www.math.clemson.edu/ug_reg.html)) will be enforced.

☞ Homework assignments are designed to be stimulating and educational experiences. General discussion among students is fine. However, be sure to turn in your *own* work.