Instructor: Douglas R. Shier, O-120 Martin, x1100, shierd@clemson.edu

Office Hours: Tu Th 11:00-12:15, W 10:00-11:00, or by appointment

Class: TuTh 8:00-9:15, Martin E-4

Web Page: http://www.ces.clemson.edu/~shierd/Shier/MthSc810/ms810.html

Text: (1) V. Chvátal, Linear Programming, W. H. Freeman, 1983

                     (2) Course Notes for MthSc 810, 150+ pages, D.R. Shier (available
                     at Campus Copy Shop, Rubin Square, College Avenue)

Prerequisites: Introductory linear algebra; use will be made of some software packages.

Course Contents: Chapters 1-10, 15, 19 of Chvátal plus additional material. Topics covered include:
formulation of linear programs, dictionaries, revised simplex method, implementation issues, duality, game theory,
sensitivity analysis, dual simplex method, networks, nonlinear programming.

Grading Policy:

                15% HW Assignments

                50% Hour Tests (2)

                35% Final Exam (Friday, April 30, 2010)

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

Grading Scale: A = 85+
                        B = 70–85
                        C = 55–70

Class Attendance: Students are expected to attend class regularly and punctually. If the instructor does not arrive
within 15 minutes after the designated start of class, the class is considered dismissed.

Official Policies:

• It is University policy to provide, on a flexible and individualized basis, reasonable accommodations to students
who have disabilities. Students are encouraged to contact Student Disability Services to discuss their individual
needs for accommodation.

• Clemson's academic integrity policies will be followed; see the following web sites

     http://www.clemson.edu/ugs/academic_integrity/index.html
     http://gradspace.editme.com/AcademicGrievancePolicyandProcedures - integritypolicy