Math 434/834
Linear and Nonlinear Optimization

Instructor: **Norman Rice**. See contact information here.

Topics: The course is concerned with theory and technique of optimization of functions of several variables, restricted by equality and inequality constraints. Examples and applications are included throughout the course. For details on the topics covered see here.

Text Materials: ***Notes for Math 434/834,*** available from the Campus Bookstore. In addtion, there are several books on reserve for the course in the Douglas Library.

Prerequisites: First and second year calculus (eg MATH-221*/223* or 280*/281*); First year linear algebra (eg MATH 110 or 111)

Evaluation:

Homework (each Thursday).....10% ;

Test (Wednesday Of Week 7)...20% ;

Project (for grad students)....10% (See details here.)

Exam. . .60% or 70%, or 100% if better than class mark.

Homework: Click here to see weekly homework assignments and solutions.

Software

You may generally use any software you like for assignments, etc. For the test and exam you may only use hand calculators. For links to some free and not-free numerical software that might be helpful in the course, see here.