Instructor: Dr. K. Thulasiraman
Office: DEH 235
Email: thulasi@cs.ou.edu
Course Time: 3-4:15 PM
Office Hours: Tuesday 9:30 -11 AM
             Wednesday 9:30 -11 AM

Course Outline
I. Linear Programming:
   • Simplex Method
   • Degenerary and Anticycling Strategies
   • Initialization
   • Revised Simplex Method

II. Duality Theory
   • Primal and Dual Program
   • Duality Theorem
   • Complementary Slackness
   • Sensitivity Analysis
   • LP Problems In General Form

III. Network Optimization:
   • The Transshipment Problem and Optimality Conditions
   • The Network Simplex Method
   • Shortest Paths
   • The Max Flow Problem

Grading:
Component          Percentage
Test   #1 (2 hours)  33 (Part I )
Test   #2 (2 Hours)  33 ( Part II)
Final   (3 Hours)  34 (Parts I , II and III)

Text:
2. Lecture Notes and Additional Material will be made available.