Lecture 14
Midterm I Review

September 30, 2009
Midterm Material:

All the material: Lecture 1–Lecture 12

- **LP Models**
  - LP modeling, recognizing LP problems, graphical solution, standard form, basic solutions
- **Solving LP Problems (Simplex Method)**
  - Feasible and infeasible start simplex method
  - Degenerate basis, unbounded problem, alternative basic optimal solution
- **Sensitivity Analysis**
- **Dual LP problem**
- **Dual simplex algorithm**
- **Post-Optimal Analysis**
  - Changes affecting feasibility
  - Changes affecting optimality