

SA305: Linear Models and Optimization
Spring 2012
Course Policies
ASST. PROF. DAVID PHILLIPS

Operations Research (OR) is a wide field which, loosely, seeks to investigate how mathematical techniques can be used to aid in solving "real-life" problems. This course provides an introduction to linear programming, which is a fundamental technique used in OR. The foci of the course are modelling and formulating mathematical optimization models (also called *mathematical programs*, and understanding linear optimization algorithms and their mathematical underpinnings.

CONTACTING ME: *You are encouraged to ask me questions in class and via email: dphillip@usna.edu.*

COURSE WEBSITE: <http://www.usna.edu/Users/math/dphillip/sa305.s12/index.html>

EXTRA INSTRUCTION: MW from 1-2:30pm or **by appointment** in my office, CH334.

HOMEWORK AND QUIZZES: Homework will consist of a mix of problem sets and reading assignments. Quizzes are mixed in to aid in providing quicker feedback. You are encouraged to discuss all assignments with each other, and allowed to consult references (both electronic and in hard copy), but no copying is allowed. **You are required to cite any and all sources, including your classmates and myself, in your homework.** Please list all sources used at the end of each homework assignment. **Late homework will be graded at my discretion.**

GROUPWORK: There will be some assignments which you will work with a group both in and out of class.

TESTS: There are two scheduled tests with the estimated dates given on the syllabus.

GRADES: The following table will be used to calculate grades. I reserve the right to adjust percentages in order to increase grades.

Evaluation	Percentage
Homework	10%
Quizzes	10%
Groupwork	10%
2 Tests	40%
Final	30%