

Syllabus
BU 324
Quantitative Methods
Dr. Steelquist

~~Fall 1999, Oct 5 - Dec 1, Room H-223~~

COURSE DESCRIPTION

This course presents various quantitative techniques for solving business problems. Both the mathematical methods and practical considerations are covered. Some of the techniques are implemented through computer procedures.

OBJECTIVE

The students should be able to solve selected quantitative problems and understand the theory and application of the solution procedures used.

OUTLINE

Introduction	Chap. 1
Probability Review	Chapt 2
Inventory Control	Chap. 6
Linear Programming	Chap. 7,8,9
Networks	Chap. 12
MIDTERM	
PERT and CPM	Chap. 13
Forecasting	Chap. 5
Multiple Regression	Handout
Decision Theory	Chap. 2,3
Queuing *	Chap. 14
Simulation *	Chap. 16
FINAL	

* If time permits.

TEXT

Render, B. and Stair, R. Jr., Quantitative Analysis for Management, 7th Edition, Allen and Bacon, Boston, 1999.
www.prenhall.com/render

GRADING

Midterm.	45% each
Final	45%
Quizzes & Homework	10%

All examinations will be open book. The final letter grade will be assigned by totaling the points **from** each graded item. No letter grades will be given for individual tests or quizzes. Attendance is expected and will be reflected by quiz grades: There will be no make up for missed quizzes! The lowest quiz grade will be dropped. Quizzes may be either announced or unannounced. Homework may be collected occasionally for grading as a quiz. An exam can be made up only if the instructor is notified before the exam. The final will be cumulative with an emphasis on the last section of material. Grading is on a modified curve so point totals for grades change each term.

OFFICE HOURS

Mon. - Fri. 11:00 and by request in Kieffer Hall, FF. Phone 739-4602.

Assignments

Read	Problems
Chap. 1	3,7,10,12
Chap. 6	17,18,,23,32,37
Chap. 7	14,15,18,19,23,27,31,36
Chap. 8	2,6,8,9,12
Chap. 9	2,17,19,23,25
Chap. 12	9,10,17
Chap. 13	13,15,18,24,29
Chap. 5	15,19,34,35
Handout	
Chap. 2	1 7,19,36,40
Chap. 3	8,9,13,14,15,22
Chap. 4	12,13,24,32
Chap. 14	11,14,22

The problem assignments are a minimum. The instructor may assign additional problems as necessary. Students who have difficulty with a problem type should do additional problems and check their answers to insure full understanding.