BU 354 S99

SYLLABUS

BU 354 Quantitative Methods in Management
Chaminade University

Instructor: Barbara P. Street, Ph.d.
Office Hours: M.W.F. 1%- 1: :00 or by appointment in Kiefler Hall Business Faculty Study, cubicle CC ph: 739-4609
Textbook: Qua tit ive Analysis for Manage_m__ten by B. Render and R. Stqair, 6th ed Allyn and Bacon, 1997

COURSE OBJECTIVES
The purpose of the" course is to provide the student with the skills to apply various quantitative techniques to solve the types of problems that organizations and managers face in the real world. To acquire these skills, the student will need t study both the pertinent mathematical models and their assumptions and limitations, and learn how these models are utilized in computerized solutions.

COURSE REQUIREMENTS
1. Class attendance and participation is imperative. Students must be present, pay attention, and take part in discussions in order to earn attendance points described in the grading section.

2. Completing reading and written assignments on time is necessary. Students can expect written work daily.

3. Exams and quizzes must be taken as scheduled. The lowest quiz grade may be dropped when the grades are calculated. NO Make-up quizzes will be given. Make-up mid-terms will only be given to those students who have informed Dr. Street BEFORE the exam was administered to the class-

GRADING POLICY

Midterm Exam:	100 points
Quizzes (10 points /quiz)	100 points
Homework:(2 pts./problem)	100 points
Final Exam:	100 points
Attendance/Participation	100 points

A letter grade will be assigned based on the total points earned at the end of the course. Missed exams, quizzes, and homeworks will be given a grade of zero unless arrangements are made PRIOR to the date they are due. No quiz may be made up, bnut the lowest quit grade will bne dropped. quizzes may be announced or unannounced. Exams and quizzes will be on a closed book basis; however, a 3x5 index card of formulas will be allowed for the mid-term and the final exams.

COURSE OUTLINE

Date	Topic	Assignment
	Introduction	
Jan 13	Quantitative Methods	Read Chap 1; be prepared to discuss ways quantitative analysis can be useful
Jan 15	Probability	Read Chap 2 Supplement : Turn In ques. #S 2-14 thru S 2-19
Jan 18	QUIZ Decision -making under Risk	Read Chap 2 to p 42: Turn In #2-10, 2-11, 2-16
Jan 20*	Decision-making under Uncertainty	Read Chap 2 to p. 45: Turn In #2-8, 2-9, 2-12, 2-13
Jan 22	Marginal Analysis	Read Chap 2 to end: Turn in #2-22, 2-23, 2-24
Jan 25	QUIZ Decision Trees	Read Chap 3 To p. 105; Turn in #3-12-3-15
Jan 27	Decisions and Imperfect Info	Read Chap 3 to p 110: Turn in #3-21, 3-36, 3-36, 3-37, 3-38
1 an 29'	Decision Theory Applications	Read **Chap 3 to end; Turn in Case Study,** p132
Feb 01	Conclusion Decision Theory	
Feb 03	QUIZ Time Series Forecasting	Read Chap 5 to p. 191; Turn in #5-10 thru 5-16
Feb 05	Regression Analysis	Read Chap 5 to end; Turn in #5-31 thru 5-33
Feb 08	Conclusion Decision Theory	
Feb 10	QUIZ Linear Programming Models	Read Chap 7 to p. 291 Turn In FORMULATIONS for 7-9 thru 7-14
Feb 12	Graphical LP solutions	Read Chap 7 to p 302 Turn in SOLUTIONS for 7-9 thru 7-14
Feb 19	Minimization, other LP	Read Chap 7 to end Turn in #7-15,7-18, 7-22,

April 19	Quiz PERT/CPM Models	Reading Written Assignments for Network Models to be given in class
April 21	PERT/COST	
April 23	QUIZ CPM	
April 26	Applications	
April 28	Queueing	Read Ch 14 to p659; Turn-in #14-1 1, t4-12
April 30	More Queueing	Read Ch 14 to end; Turn in # 14-18, 14-19, 14-21, 14-23

FINAL EXAM IS SCHEDULED FOR: Thursday, May 6,10:30-12:30