[A-3]COURSE SYLLABUS

1. Course Description (Approximately 100 words)

In this course, a student will be exposed to topics in mathematics that are especially applicable to business, such as linear models, linear programming, mathematics of finance, counting methods, probability, and statistics

2. Course Goals and Objectives (Approximately 100 words)

Upon completion of this course, students should be able to

To prepare for courses of study in finance, statistics, quantitative methods, accounting, marketing, economics, and computer information systems
Successfully answer questions pertaining to certain topics
Use quantitative reasoning to enhance decision-making capability

3. Textbook (Title, Author, Publisher, Year of Publication, etc.)

Introductory Mathematical Analysis for Business, Economics, and the life and
Social Sciences, by Ernest F. Haeussler, Jr. Richard S. Paul, & R. J. Wood, 11th Ed. (2005).

4. Reference

Mathematics with Applications, by Lial & Hungerford, 7th Ed., 1999).

5. Course Requirements and Grades

MID-TERM - 40%
MAIN EXAM - 60%

6. Course Calendar

Week	Main Content
1	Applications of Equations
2	Applications and Linear Functions
3	Linear Inequalities in Two Var.
4	Reduction in Matrix Algebra
5	The dual
6	Interest Compounded ContinuousAnnuities
7	Mid-term exam
8	Basic Counting Principle & Perm
9	Comb. and Other Count. Principle
10	Probability
11	Conditional Probability
12	The Binomial Distribution
13	Measures of Variation
14	Main Exam