

This course is available for student registration only after the approval process has been completed.

SUBJECT MTH COURSE NO. 1703 CREDIT HOURS 3 TERM TO BE ADDED TO THE FILE Spring 2008
Alpha Prefix (e.g., CSE) Number Choice (e.g., 1301) (e.g., Fall 2006)

CLASS HOURS 45 hours LECTURE HOURS _____ LAB HOURS _____ CONTACT HOURS (CEU ONLY) _____

DEPARTMENT Mathematical Sciences SCHEDULE TYPE Virtual Classroom (H)
(e.g., Computer Sciences) (e.g., Lecture, Lab or Special Project)

- COLLEGE OF AERONAUTICS-23 COLLEGE OF PSYCHOLOGY AND LIBERAL ARTS-25
 COLLEGE OF BUSINESS-24 COLLEGE OF SCIENCE-26
 COLLEGE OF ENGINEERING-01 UNIVERSITY COLLEGE EXTENDED STUDIES-27

COMPUTER TITLE Restricted to 25 characters, including spaces Finite Mathematics

CATALOG TITLE Finite Mathematics

CATALOG DESCRIPTION OF COURSE Limited to 350 characters, including spaces

Studies topics in mathematics that are especially applicable to business, such as linear models, linear programming, mathematics of finance, counting methods, probability and statistics. (Requirement: Prerequisite course or passing grade on mathematics placement test.)

In addition, you may attach a course syllabus and/or more detailed description.

RESTRICTIONS Prerequisite MTH 1701 Corequisite _____
Course Number Course Number

Prerequisite _____ Corequisite _____
Course Number Course Number

Prerequisite _____ Corequisite _____
Course Number Course Number

GRADES TO BE ISSUED

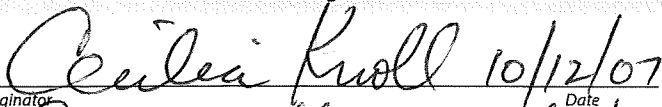
- A, B, C, D, F
 A, B, C, D, F, CEU
 CEU
 S, U
 P, F
 Other _____

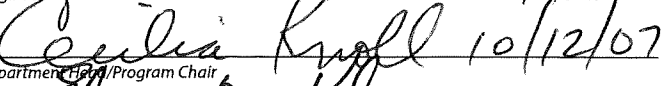
ADDITIONAL RESTRICTION For BANNER enforcement, restricted to students enrolled in University Alliance (U)
(e.g., Major, Class Level, Department Head Approval)

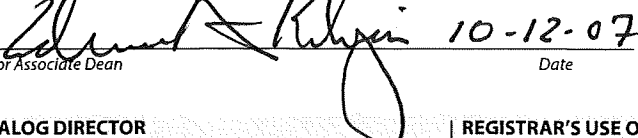
If this course replaces a course currently offered in BISK, please indicate old course information

SUBJECT Alpha Prefix (e.g., CSE) MAT COURSE NO. (e.g., 1301) 141

APPROVALS: Upon completion of appropriate department approvals, submit form to Chair, Graduate Council, or Chair, Undergraduate Curriculum Committee for approval below and forward to Catalog Director.

 10/12/07
Originator Date Chair, Graduate Council Date

 10/12/07
Department Head/Program Chair OR

 10-12-07
Dean or Associate Dean Date Chair, Undergraduate Curriculum Committee Date

CATALOG DIRECTOR

These changes/additions have been made for the University/Extended Studies Catalog and entered into the BANNER term named above.

Catalog Director Date

REGISTRAR'S USE ONLY

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 SCARRS _____ Operator Init _____ Date _____

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MTH1703 Finite Mathematics

Credit Hours: 3

PreReq: MTH1701

Course Description:

Studies topics in mathematics that are especially applicable to business such as linear models, linear programming, mathematics of finance, counting methods, probability, and statistics. (Requirement: Prerequisite course or passing grade on mathematics placement test.)

Objectives:

1. To prepare for courses of study in finance, statistics, quantitative methods, accounting, marketing, economics, and computer information systems.
2. Describe set theory, Venn diagrams and linear equations and inequalities. Understand statistics and normal distribution
3. Use quantitative reasoning to enhance decision-making capability

Tentative Course Outline:

1. Set Theory
2. Venn Diagrams
3. Algebra Review
4. Linear Equations & Inequalities
5. Graphs and Functions
6. Linear Systems
7. Consumer Mathematics and Financial Management, Part 1
8. Consumer Mathematics and Financial Management, Part 2
9. Counting Methods and Probability Theory
10. Odds, Conditional Probability and Expected Value
11. Statistics
12. Normal Distribution

Text: Thinking Mathematically W/ SS Manual/Video Tutor – 3rd Ed. Blitzer

Grading:

Homework (12)	24%
Quiz (3)	30%
Midterm	20%
Final	26%

Grade Scale:

A	90-100
B	80-89
C	70-79
D	60-69
F	0-59