

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

SUBJECT MTH COURSE NO. 0003 CREDIT HOURS 3 TERM TO BE ADDED TO THE FILE Spring 2008

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

DEPARTMENT Mathematical Sciences SCHEDULE TYPE Virtual Classroom (H)

- 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 Basic Algebra

CATALOG TITLE Basic Algebra

CATALOG DESCRIPTION OF COURSE Limited to 350 characters, including spaces

Builds a foundation for algebra. Includes algebraic expressions, order of operations, linear equations and inequalities. Introduces graphing, polynomials, exponents and factoring. Credit may not be applied to any Florida Tech degree.

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

RESTRICTIONS Prerequisite Corequisite Prerequisite Corequisite Prerequisite Corequisite

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)

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) 003

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.

Cecilia Knoll 10/12/07 Chair, Graduate Council
Cecilia Knoll 10/12/07 OR
Dean or Associate Dean 10-12-07 Chair, Undergraduate Curriculum Committee

CATALOG DIRECTOR

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

REGISTRAR'S USE ONLY

SCACRSE SCADETL SCAPREQ SCABASE SCARRS Operator Init Date

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MTH0003 Basic Algebra

Credit Hours: 3

PreReq: None. Enrollment will be based on placement exam score.

Course Description:

Builds a foundation for algebra. Includes algebraic expressions, order of operations, linear equations and inequalities. Introduces graphing, polynomials, exponents and factoring. Credit may not be applied to any Florida Tech degree.

Objectives:

1. Describe basic properties of equalities
2. Solve one variable equations
3. Demonstrate the use of the rectangular coordinate system
4. Graph points and linear equations
5. Factor polynomials, and use factoring to solve equations
6. Identify formulas, problem solving and inequalities
7. Manipulate integer exponents
8. Add, multiply and divide polynomials

Tentative Course Outline:

1. Introduction to Real Numbers and Algebraic Expressions
2. Solving Equations
3. Applications and Problem Solving
4. Solving Inequalities and Applications
5. Graphs and Graphing Linear Equations
6. Addition and Subtraction of Polynomials
7. Multiplication of Polynomials
8. Polynomials in Several Variables
9. Division of Polynomials
10. Negative Exponents and Scientific Notation
11. Introduction to Factoring and Factoring Trinomials
12. Factoring: Special Cases
13. Factoring: A General Strategy

Text: Intro & Inter Algebra W/ Study Pack & My Math Lab - Custom – 1st Ed. Blitzer

Grading:

Quiz (4)	40%
Midterm	25%
Final	30%
Discussion Board Postings (2)	5%

Grade Scale:

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