

MAT 0024 – ELEMENTARY ALGEBRA Fall 2003
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INSTRUCTOR: Sohrab Bakhtyari

OFFICE: NS 146

PHONE: 791-2607

TEXT: *Beginning Algebra*, 5th Edition, Tobey/Slater.

COURSE PREREQUISITE: MAT 0012 or appropriate score on Mathematics Placement Test.

COURSE DESCRIPTION

This course is a study of the basic skills and concepts of elementary algebra from the view of a college student who needs a basic understanding of algebra. Major topics include language and operations on sets, operations on signed numbers, simple linear equations and inequalities in one variable, operations on polynomials (including beginning techniques of factoring), integer exponents, brief introduction to radicals, introduction to graphing, and applications. This course will increase a student's computation skills and prepares the student for MAT 1033. Three credit hours.

COURSE OBJECTIVES

1. The student will demonstrate a knowledge of algebraic concepts, properties, and terminology when working with the real number system.
2. The student will demonstrate mastery of algebraic algorithms relative to subsets of the real numbers, numerical expressions, algebraic expressions, linear equations and inequalities, quadratic equations, and graphing of linear equations by applying the necessary algebraic manipulations.

COURSE REQUIREMENTS

TESTING

There will be five (5) tests and a final. Make-up tests will be given **in only extreme circumstances** (i.e. family emergencies, injury, etc.). If an exam is missed without prior consultation, the score for that exam is a "0." The final, which is **comprehensive and mandatory**, will be given. **No calculators allowed on any tests and Final.**

ATTENDANCE

Students are required to attend class regularly and on time. Before **Nov.3, 2003** (which is the drop deadline), the instructor MAY drop a student for excessive absences (more than three). After that, excessive absences may result in a grade of "F" for the course.

HOMEWORK

Homework will be assigned for each section. It is **highly recommended** that you keep up with the homework and do all the problems assigned. Quizzes will be given from the assigned homework problems.

GRADING POLICY

The average of the five tests will count for **60%** of the grade. Quizzes will count **15%**. The **comprehensive and mandatory** final will count for **25%** of the grade. The grading scale is:

90 - 100 = A
80 - 89 = B
70 - 79 = C
60 - 69 = D
Below 60 = F

The last day to withdraw is **Nov. 3, 2003**.

EXTRA HELP

I am available for questions during office hours, which are posted outside my office door. I am also available by appointment, if you need to meet at other times. Tutoring is available from the Learning Support Center, which is located in the LA building. There is also a set of videos (list attached) for this course which is available for use in the library.

DISABILITY STATEMENT

If you wish to receive special accommodations as a student with a documented disability, please make an appointment with the Learning Support Specialist, SS 104, 791-2710. If you have a documented hearing loss, please contact the Program for the Deaf/Hard of Hearing, SS 101, 791-2628 (V/TDD). If you will need assistance during an emergency classroom evacuation, please contact your campus Learning Specialist immediately about arrangements for your safety. Offices of Services for Students with Disabilities 791-2628 or 791-2710.

SEXUAL OFFENDER STATEMENT

Federal and State law requires a person designated as a “sexual predator or offender” to register with the Florida department of Law Enforcement (FDLE). The FDLE then is required to notify the local law enforcement agency where the registrant resides, attends or is employed by an institution of higher learning. Information regarding sexual predators or offenders attending or employed by an institution of higher learning may be obtained from the local law enforcement agency with jurisdiction for the particular campus, by calling the FDLE hotline (1-888-FL-PREDATOR) or (1-888-357-7332), or by visiting the FDLE website at WWW.fdle.state.fl.us/sexual_predators. If there are questions or concerns regarding personal safety, please call the Provost, Associate Provost, Campus security Officer or Site Administrator on your campus.

IMPORTANT DATES

Sept. 1	Labor Day
Nov. 26-30	Thanksgiving Vacation

MAT 0024 Assignments

Section	Problems (eoo: every other odd)
Chapter 0	Chapter Test only
1.1	1-71 odds
1.2	1-61 odds
1.3	1-73 eoo
1.4	1-51 eoo
1.5	1-25 odds
1.6	1-41 odds
1.7	1-41 eoo
1.8	1-49 eoo
1.9	1-25 odds
Chapter 1 Test: Do all problems.	
TEST 1	
2.1	1-53 eoo
2.2	1-43 eoo
2.3	1-69 odds
2.4	1-45 odds
2.5	1-41 odds
2.6	1-37 eoo
2.7	1-29 odds
Chapter 2 Test: Do all problems.	
TEST 2	
3.1	1-29 odds
3.2	1-13 odds, 17, 21, 25, 27, 31
3.3	1-15 odds
4.1	1-105 eoo
4.2	1-37 eoo
4.3	1-41 eoo
4.4	1-59 eoo
4.5	1-45 eoo
4.6	1-23 odds
Chapter 4 Test: Do all problems.	
TEST 3	
5.1	1-35 odds
5.2	1-21 odds
5.3	1-55 eoo
5.4	1-51 eoo
5.5	1-47 odds, 53-75 odds
5.6	1-41 odds
5.7	1-27 odds, 31, 33, 35
Chapter 5 Test: Do all problems.	
TEST 4	

Section	Problems (eoo: every other odd)
6.1	1-33 eoo
6.2	1-17 odds
6.3	1-45 eoo
7.1	1-19 odds
7.2	1-29 odds
7.3	1-47 eoo
7.4	1-21 odds
7.5	3-21 eoo
Chapter 7 Test: 1-12 all.	
9.1	1-47 eoo
9.2	1-55 odds
9.3	3-35 odds
TEST 5	

FINAL EXAM December 15-19, 2003
 Closed book, closed notes.
Calculator NOT permitted.

MAT 0024 - ELEMENTARY ALGEBRA Master Tape List

Beginning Algebra - Tobey/Slater

Chapter	Description
0	A brief review of Arithmetic skills
1	Real Numbers and Variables
2	Equations and Inequalities
3	Solving Applied Problems
4	Exponents and Polynomials
5	Factoring
6	Rational Expressions and Equations
7	Graphing and Functions
8	Systems of Equations
9	Radicals
10	Quadratic Equations