

Math 95x Course Syllabus

Course Description: Number systems, fundamentals of algebra, graphs and equations of straight lines, exponents, polynomial expressions, factoring, rational expressions, roots, the quadratic formula; applications. Credit for this course cannot be applied toward any degree program. A grade of A, B, C, or NG (No Grade) will be assigned.

Prerequisite: Satisfactory placement exam score or grade of C or higher in MATH 90.

Text Book: The students must choose one of the two following options for purchasing the text book.

1. "Introductory Algebra" by Julie Miller, Molly O'Neill, and Nancy Hyde packaged with Aleks. (ISBN # 0078093651).
2. The student may purchase an access code for Aleks as a "stand alone purchase". The student will be able to access an electronic version of the text book through the online program.

Calculator Policy: Calculators will only be allowed during selected exams and quizzes. When a calculator is permitted, you may only use scientific calculators. Graphing calculators are not acceptable on any exam or quiz.

Homework: Homework will be assigned several times a week. The homework assignments will be posted on blackboard. Late homework is not accepted unless there are unusual circumstances. If there is an unusual situation, the student should contact their instructor as soon as possible. The instructor will then use his/her discretion to decide if a student will be allowed to turn in late homework. If an unreasonable amount of time passes before the student contacts their instructor, the student will not be allowed to turn in any late work.

Aleks: Aleks is an online program that will be used once a week in a lab during class time as well as outside of class time. The program is intended as a supplement to in-class lectures that will help students successfully complete this course. Students can log into their account at www.aleks.com. It will be possible for students to receive up to 100 points for the use of Aleks. Students will be graded based on the percentage of completion at four "check points" (the day before each exam). Each "check point" will be worth 25 points. Check point grades will be assigned using the following table:

100%	(A)	25 points
At least 90 %	(A)	23 points
At least 80 %	(B)	20 points

At least 70%	(C)	18 points
At least 60%	(D)	15 points
At least 50%	(F)	12 points
Less than 50%	(F)	0 Points

Attendance Policy: Attendance will be worth 20 points of the final grade. A student will be given ONLY 3 excused absences or 2 excuse absences (depending on how many times a week the class meets). If the student accumulates more than the allowed absences, the attendance grade will be assigned using the following table.

MWF Classes		MW or TR Classes	
Number of days missed		Number of days missed	
3 or less absences	20 Points	2 or less absences	20 Points
4-5 absences	15 Points	3-4 absences	15 Points
6-7 absences	10 Points	5 absences	10 Points
8-9 absences	5 Points	6 absences	5 Points
More than 9 absences	0 Points	More than 6 absences	0 Points

Exams and Exam Policy: There will be three exams each worth 100 points. These exams will be administered during scheduled class time. The Final Exam will be held outside of class time, in the evening, during finals week. The exam dates will be posted on the tentative schedule. THERE WILL BE NO MAKE-UP EXAMS. This means that a student cannot take an exam before or after the scheduled time. In the case of a missed exam for an appropriate reason, the percentage earned on the final exam will replace the missing exam score. This means that the student's final exam will be counted as approximately 38% of the final grade. In order to use this policy the student must contact the course coordinator prior to the exam or as soon as possible after the exam. For all other missed exams, a grade of zero will be assigned.

Grade breakdown:

Homework	80 Points	≈12%	A: 90%-100%	585 – 650 Points
Aleks	100 Points	≈15%	B: 80%-89%	520 – 584 Points
Attendance	20 Points	≈ 3%	C: 70%-79%	455 – 519 Points
Exams 3@100	300 Points	≈ 47%	No Grade	Below 455
Final Exam	150 Points	≈23%		
Total	650 Points	100%		

Dropping the Course: During the first 14 days of the semester, students may drop this course with no record on their transcript. After the second week, students must follow the formal withdrawal policy. It is the student's responsibility to obtain the Add/Drop form, ask for the teacher's signature and to submit it to the appropriate University office. When a student withdraws from a course University policy dictates that a grade of either W (Withdrawn) or WF (Withdrawn Failing) will be assigned. The instructor and the course coordinator have sole discretion in determining whether the grade of W or WF is appropriate. If the student withdraws from the course after October 23rd the student will be assigned a grade of WF. If a student stops attending and participating in the course but does not officially drop or withdraw from the course, the student will be assigned a grade of WF at the end of the semester. If a student does not take the final exam, the student will be assigned a grade of WF, per official University policy.

Academic Honesty: The instructor and students in this course will adhere to the University's general Codes of Conduct defined in the BGSU Student Handbook. Specifically, the Code of Academic Conduct (Academic Honesty Policy) requires that students do not cheat, fabricate, plagiarize or facilitate academic dishonesty. Students who passively engage in cheating (i.e. allowing others to cheat off of them) may receive the same consequences as the person copying.

Course Coordinator: If a student has a problem or concern you are encouraged to discuss the issue with your teacher. If the student cannot resolve the issue with the teacher please contact the course coordinator. The course coordinator is: Cheryl Grant, 434 Mathematical Sciences Building, 419-372-7467, cgrant@bgsu.edu

Department Mediator: If a student has a problem or concern that cannot be resolved by discussing the issue with the teacher or with the course coordinator please contact the department mediator. The department mediator is: Dr. Jim Albert, 407 Math Science Building, 419-372-7456, albert@bgsu.edu See <http://www.bgsu.edu/departments/math/page52948.html>

Disability Students: Students who have or acquire a disability which raises academic concerns may contact Disability Services for Students in South Hall room 413, telephone 372-8495 (voice) and 372-8496 (fax). If a student is currently registered with the Office of Disability Services, the student is required to give the instructor a copy of any official paperwork so that the instructor can make the necessary classroom and assessment adaptations.

MAST Center: The Math & Stats Tutoring Center is a free service for all BGSU students enrolled in a course requiring math or statistics. The MAST Center is located in 208 Moseley Hall. In addition to tutoring, the center also houses resources such as textbooks, computers, calculators, a variety of handouts, and a lending library. For this semester's tutoring schedule, please visit their website at <http://www.bgsu.edu/offices/acen/mastctr/>

Sections covered are:

Chapter R: Reference

R1: Study Tips

R2: Fractions

R3: Decimals and Percents

Chapter 1: The Set of Real Numbers

1.1: Sets of Numbers and the Real Number Line

1.2: Exponents, Square roots, and Order of Operations

1.3: Addition of Real Numbers

1.4: Subtraction of Real Numbers

1.5: Multiplication and Division of real Numbers

1.6: Properties of Real Numbers and Simplifying Expressions

Chapter 2: Linear Equations and Inequalities

2.1: Addition, Subtraction, Multiplication, and division Properties of Equality

2.2: Solving Linear Equations

2.3: Linear Equations: Clearing Fractions and Decimals

EXAM 1

2.4: Applications of linear Equations: Introduction to Problem Solving

2.5: Applications involving Percents

2.6: Formulas and Applications of Geometry

2.8: Linear Inequalities

Chapter 3: Graphing Linear Equations in Two Variables

3.1: Rectangular Coordinate System

3.2: Linear equations in Two Variables

3.3: Slope of a line and Rate of Change

3.4: Slope Intercept Form of a line

3.5: Point Slope Formula

3.6: Applications of Linear Equations and Modeling

EXAM 2

Chapter 5: Exponents and Polynomials

5.1: Exponents: Multiplying and Dividing Common Bases

5.2: More Properties of Exponents

5.3: Definitions b^0 and b^{-n}

5.4: Scientific Notation

5.4: Additions and Subtraction of Polynomials

5.5: Multiplication of Polynomials and Special Products

5.7: Division of Polynomials

Chapter 6: Factoring Polynomials

6.1: Greatest Common Factoring and Factor by Grouping

6.2: Factoring Trinomials of the form ax^2+bx+c

6.3: Factoring Trinomials: Trial and Error method

6.4: Factoring Trinomials: ac Method

6.5: Difference of Squares and Perfect Square Trinomials

6.7: Solving Equations Using the Zero Property (and Quadratic Formula)

EXAM 3

Chapter 7 Rational Expressions

7.1: Introduction to Rational Expressions

Chapter 8 Radicals

8.1: Introduction to Roots and Radicals

8.2: Simplifying Radicals

FINAL EXAM

Syllabus Last Revised: August 1st, 2009