



MATH 0303.063 - Beginning Algebra

Course Syllabus Spring 2017

“Northeast Texas Community College exists to provide responsible, exemplary learning opportunities.”

Cassidi Jacobs

Office: Classroom otherwise Via Email

Phone: 903-434-8255 (Humanities Faculty Secretary, messages only)

Email: cjacobs@ntcc.edu

Office Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Online
	5:00-6:00 PM Classroom	Via Email as Needed				

The information contained in this syllabus is subject to change without notice. Students are expected to be aware of any additional course policies presented by the instructor during the course.

Catalog Course Description

This course is designed for those students who have had no previous algebra in high school or for those in need of a review of basic algebra. No college credit is awarded for this course. Content includes a study of real numbers, equations and inequalities, graphs of linear equations, exponents and polynomials, factoring, literal equations and practical word problems. Prerequisite: MATH 0301 or its equivalent.

Required Textbook(s):

No textbook is required; however, a MyMathLab access code must be purchased. You do not need to purchase a new access code for intermediate algebra.

Publisher: Pearson

ISBN Number: NA

Recommended Reading(s):

NA

Student Learning Outcomes:

Upon the successful completion of this course, students will be able to:

1. Define, represent and perform operations on real numbers.
2. Solve linear equations, inequalities and application problems using the addition and multiplication principles.
3. Become familiar with the basic terminology of the rectangular coordinate system and graph linear equations in two variables.
4. Become proficient with the terms, properties, and operations of polynomials.
5. Factor a variety of expressions including greatest common factor, trinomials, difference of squares and perfect square trinomials.

Lectures & Discussions:

- 2.1 The Addition Property of Equality
- 2.2 The Multiplication Property of Equality
- 2.3 More on Solving Linear Equations
- 2.4 An introduction to Applications of Linear Equations
- 2.5 Formulas and Applications from Geometry
- 2.6 Ratio, Proportion and Percent
- 2.7 Solving Linear Inequalities
- 3.1 Reading Graphs: Linear Equations in Two Variables
- 3.2 Graphing Linear Equations in Two Variables
- 5.1. Adding and Subtracting Polynomials
- 5.2. The Product Rule and Power Rules for Exponents
- 5.3. Multiplying Polynomials
- 5.4. Special Products
- 5.5 Integer Exponents and Quotient Rule
- 5.6 Divide a Polynomial by a Monomial
- 5.8 Scientific Notation
- 6.1 Factors: The Greatest Common Factor
- 6.2 Factoring Trinomials
- 6.5 Special Factoring Techniques
- 6.7 Solving Quadratic Equations by Factoring

Evaluation/Grading Policy:

This course is considered a hybrid because it meets two days per week for only eight weeks. Class time will be devoted to instruction and all homework and exams, except the final, will be completed outside of class. Choosing not to do the homework assignments and exams is not an option; prerequisites are set in place to insure completion of some assignments before moving on to new ones. Homework prerequisites must be completed at 70%. Exams can only be attempted if the review is completed with at least an 80%. The final exam will be taken in class on May 5th. Students will be allowed two attempts on the exams, except the final, if needed, in order to achieve a passing score or to improve a score. Exams will be open for a week. If after that time, the exam is not taken, a score of zero will be entered. In addition, at the end of the semester, zeros will replace any homework assignments not attempted. This could seriously affect one's semester grade and could cause a student to fail the course.

The grading policy will be as follows:

Homework	35%
Chapter Exams	40%
Final Exam	25%

Assignments:

- 2.1 The Addition Property of Equality
- 2.2 The Multiplication Property of Equality
- 2.3 More on Solving Linear Equations
- 2.4 An introduction to Applications of Linear Equations
- 2.5 Formulas and Applications from Geometry
- 2.6 Ratio and Proportion
- 2.6 Percent
- 2.7 Solving Linear Inequalities
- 3.1 Reading Graphs: Linear Equations in Two Variables

- 3.2 Graphing Linear Equations in Two Variables
- 5.1 Adding and Subtracting Polynomials
- 5.2 The Product Rule and Power Rules for Exponents
- 5.3 Multiplying Polynomials
- 5.4 Special Products
- 5.5 Integer Exponents and Quotient Rule
- 5.6 Divide a Polynomial by a Monomial
- 5.8 Scientific Notation
- 6.1 Factors: The Greatest Common Factor
- 6.2 Factoring Trinomials
- 6.5 Special Factoring Techniques
- 6.7 Solving Quadratic Equations by Factoring

Other Course Requirements:

Having access to a computer outside of class is critical. Homework is only submitted online and all exams except the final will be taken outside of class. On campus there are computers available for student use in the library, MS 103. Computers are also available at the Hansen-Sewell Center in Pittsburg, the Naples/Omaha Education Center in Naples and public libraries. Call first to check for hours of operation. Students are expected to complete the homework assignments whether in class or not.

Student Responsibilities/Expectations:

Students are expected to conduct themselves in a mature and respectful manner toward the instructor as well as other students. An orderly and cooperative classroom environment is essential for optimum learning to take place. In order to maintain an environment in which learning can take place the following behaviors are expected to be observed:

- Turn off cell phones or set them on silent. This means no texting during class!!!
- Pay attention during instruction. You should not be texting or carrying on side conversations with your neighbor. These are really my pet peeves.
- Limit leaving class.
- Use class time wisely.
- Practice the "Golden Rule."

NTCC Academic Honesty Statement:

"Students are expected to complete course work in an honest manner, using their intellects and resources designated as allowable by the course instructor. Students are responsible for addressing questions about allowable resources with the course instructor. NTCC upholds the highest standards of academic integrity. This course will follow the NTCC Academic Honesty policy stated in the Student Handbook."

Academic Ethics

The college expects all students to engage in academic pursuits in a manner that is beyond reproach. Students are expected to maintain complete honesty and integrity in their academic pursuit. Academic dishonesty such as cheating, plagiarism, and collusion is unacceptable and may result in disciplinary action. Refer to the student handbook for more information on this subject.

ADA Statement:

It is the policy of NTCC to provide reasonable accommodations for qualified individuals who are students with disabilities. This College will adhere to all applicable federal, state, and local laws, regulations, and guidelines with respect to providing reasonable accommodations as required to afford equal educational opportunity. It is the student's responsibility to arrange an appointment with a College counselor to obtain a Request for Accommodations form. For more information, please refer to the NTCC Catalog or Student Handbook.

Family Educational Rights And Privacy Act (FERPA):

The Family Educational Rights and Privacy Act (FERPA) is a federal law that protects the privacy of student education records. The law applies to all schools that receive funds under an applicable program of the U.S. Department of Education. FERPA gives parents certain rights with respect to their children's educational records. These rights transfer to the student when he or she attends a school beyond the high school level. Students to whom the rights have transferred are considered "eligible students." In essence, a parent has no legal right to obtain information concerning the child's college records without the written consent of the student. In compliance with FERPA, information classified as "directory information" may be released to the general public without the written consent of the student unless the student makes a request in writing. Directory information is defined as: the student's name, permanent address and/or local address, telephone listing, dates of attendance, most recent previous education institution attended, other information including major, field of study, degrees, awards received, and participation in officially recognized activities/sports.

Other Course Policies:

RE-TESTING POLICY: If the TSI Assessment is retaken before the student completes a developmental course, the resulting score will determine placement in subsequent courses. It is the student's responsibility to take the score to the instructor of the class. That instructor will give the student a grade of CR on the final grade sheet, and the student will no longer be required to attend that class for the rest of the semester.