Course Syllabus

MATH 0321
Developmental Mathematics (3201045119)

***** Note to Student *****

Student success is our number one priority at Coastal Bend College and we realize that prompt, effective communication plays a significant role in achieving that goal. It is vitally important that you have the proper contact information for your instructor. This should include their phone number, email address, and if applicable, their office number, and office hours. If you ever have any problems contacting your instructor, or do not receive a prompt response to your inquiries, please contact the Director of Academics, or the Dean of Academics, as soon as possible. Their contact information is provided below:

Director of Academics, Dr. Kevin Behr: 361-354-2338; kevind@coastalbend.edu

Dean of Academics, Mark L. Secord: 361-354-2529; secordm@coastalbend.edu

We wish you all the best in your education and encourage you to contact us if you have any questions or concerns.

Course Description: Topics in mathematics such as arithmetic operations, basic algebraic concepts and notation, geometry, and real and complex number systems.

Semester Hours Credit: 3

Lecture/Lab Hours: 3-3

Prerequisite: Appropriate score on math section of assessment test

ISBN: 9780321758941

*MyMathLab Student Access Kit (4th edition)* – required
ISBN: 9780321199911

Required Supplies: TI-30X IIS scientific calculator
Internet Access for completing MyMathLab assignments

Learning Innovation Excellence Leadership Diversity Respect Service Integrity Collaboration Communication

At all times, in all ways, the student is at the heart of all we do.
Course Learning Outcomes:

Upon successful completion of this course, students will:

1. Improve basic mathematical skills.

2. Strengthen mathematical skills in the use of sets and properties of real numbers, linear equation and inequalities in one variable, geometry formulas, word problems using linear equations, exponents, polynomial operations, factoring, similar geometric figures, Cartesian coordinate system, graphs and equations of lines.

3. Be prepared for MATH 0322.

Evaluation Methods:

- Homework 15%
- Quizzes (5) 15%
- Tests (4) 40%
- Midterm Exam 15%
- Final Exam 15%

Grade Distribution

90 – 100% = A 80 – 89% = B 70 – 79% points = C

60 – 69% = D Below 60% = F

Grades received in developmental courses do not impact a student’s GPA; however, they do indicate how well prepared the student is to go on to the next sequenced course and they do have an impact on student financial aid and academic status at Coastal Bend College. A student must receive a “C” or better in this course (Beginning Algebra) to proceed to MATH 0322.
Course Outline

Unit 1: Linear Equations and Inequalities in One Variable:
✓ Exponents and Order of Operations
✓ Simplifying Algebraic Expressions
✓ Solving Linear Equations
✓ Introduction to Problem Solving
✓ Sections 1.8, 2.3, 2.5, 2.7

Unit 2: Linear Equations in Two Variables:
✓ Graphing Linear Equations in Two Variables
✓ Graphing Linear Equations Using Intercepts
✓ Slope of the Line and the Slope-Intercept Form of Linear Equations
✓ Sections 3.1-3.5

Unit 3: Exponents and Polynomials:
✓ Basic Operations (+, −, ×, ÷) with Polynomials
✓ Long Division of Polynomials
✓ Sections 5.1-5.3, 5.5-5.7

Unit 4: Factoring Polynomials:
✓ The greatest common factor and factor by grouping
✓ Factoring techniques and Special forms
✓ Sections 6.1-6.5

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See at: GL (Legal)

Special Needs Services: Students with special needs, including physical and learning disabilities, who wish to request accommodations in this course should contact the Student Development Office as soon as possible to make arrangements; this should occur no later than the second week of class or as soon as the student has the documentation on the disability and requested accommodation per a certified medical or psychological professional. In accordance with federal law, a student requesting accommodations must provide documentation of disability to the Student Development Advisor.
For more information, contact: in Alice at sdalice@coastalbend.edu; Beeville at sdbeeville@coastalbend.edu; Kingsville at sdkingsville@coastalbend.edu; and Pleasanton at sdpleanton@coastalbend.edu.

**Academic Dishonesty:** Each student is charged with notice and knowledge of the contents and provisions of Coastal Bend College’s rules and regulations concerning student conduct. All students shall obey the law, show respect for properly constituted authority, and observe correct standards of conduct. Scholastic dishonesty shall constitute a violation of these rules and regulations and is punishable as prescribed by Coastal Bend College Policies FLB (Local) and FM (Local). Scholastic dishonesty shall include, but not be limited to, cheating on a test, plagiarism, and collusion.

See at: [FLB (Local)](http://www.coastalbend.edu) and [FM (Local)](http://www.coastalbend.edu).

See the [Student Handbook](http://www.coastalbend.edu) for further explanation of Scholastic Dishonesty.

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**NOTE:** The College website ([www.coastalbend.edu](http://www.coastalbend.edu)) serves as the main source with the most current version of the Coastal Bend College Board Policies and the Coastal Bend College Catalog.