



Course Syllabus

**MATH 0322
Intermediate Algebra (3201045219)**

******* 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: A study of relations and functions, inequalities, algebraic expressions and equations (absolute value, polynomial, radical, rational), with a special emphasis on linear and quadratic expressions and equations.

Semester Hours Credit: 3

Lecture/Lab Hours: 3-1

Prerequisite: A grade of "C" or better in MATH 0321 or appropriate score on math section of assessment test

Textbook(s): *Introductory and Intermediate Algebra for College Students (4th edition)* – **optional**
ISBN: 9780321758941

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

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



Course Learning Outcomes:

Upon successful completion of this course, students will:

1. Improve basic mathematical skills.
2. Strengthen mathematical skills in the areas of solving systems by graphing, factoring (definition, simplification and operations of rational expressions and roots and radicals), and solving quadratic equations.
3. Be prepared for credit-bearing math course.

Evaluation Methods:

- Homework 15%
- Quizzes (5) 15%
- Tests (4) 40%
- Final Exam 30%

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: Factoring Polynomials

- ✓ Factoring Strategies and Techniques
- ✓ Sections: 6.1-6.6

Unit 2: Rational Expressions

- ✓ Basic Operations (+, -, \times , \div) with Rational Expressions
- ✓ Complex Fractions
- ✓ Applications of Rational Expressions
- ✓ Sections 7.1, 7.2, 7.4, 7.5, 7.6

Unit 3: Radicals and Rational Exponents

- ✓ Exponents (Review)
- ✓ Radical Expressions and Functions
- ✓ Basic Operations (+, -, \times , \div) with Radicals
- ✓ Rational Exponents and Radical Equations
- ✓ Complex Numbers
- ✓ Sections (5.2, 5.5, 5.7), 10.1-10.4, 10.6, 10.7, 11.1, 11.2

Unit 4: Systems of Linear Equations

- ✓ Slope
- ✓ Linear Forms: Slope Intercept, Point-Slope
- ✓ Methods for solving: Graphing, Substitution, Addition
- ✓ Sections 3.3-3.5, 4.1-4.3

ADA Statement: No qualified individual with a disability shall, by reason of such disability, be excluded from participation in or be denied the benefits of the services, programs, or activities of the College District, or be subjected to discrimination by the College District. Nor shall the College District exclude or otherwise deny equal services, programs, or activities to an individual because of the known disability of an individual with whom the individual is known to have a relationship or association. 42 U.S.C. 12132; 28 CFR 35.130(g).

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 sdpleasanton@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 \(Local\)](#) and [FM \(Local\)](#).

See the [Student Handbook](#) for further explanation of Scholastic Dishonesty.

Copyright Law and Intellectual Property Rights Policy: Copyright is the right of an author, artist, composer or other creator of a work of authorship to control the use of his or her work by others. Protection extends to literary works, musical works, dramatic works, pantomimes and choreographic works, pictorial and graphic works, sculpture, motion pictures and other audiovisual works, sound recordings and architectural works. Generally speaking, a copyrighted work may not be reproduced by others without the copyright owner's permission. The public display or performance of copyrighted works is similarly restricted. Generally, the unauthorized reproduction, performance or distribution of a copyrighted work is copyright infringement and may subject the infringer to civil and criminal penalties. The Fair Use Doctrine outlines exceptions to this Law and is outlined in Coastal Bend College Policy, [CT \(Legal\)](#).

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Questions regarding this information should be directed to the Director of Library Services at: library@coastalbend.edu or the Office of Marketing and Public Relations at: socialmedia@coastalbend.edu.

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NOTE: The College website (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.