

Course Syllabus

**MATH 1351**  
**Fundamentals of Mathematics II (2701015719)**

**\*\*\*\*\* 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:** Concepts of geometry, probability, and statistics, as well as applications of the algebraic properties of real numbers to concepts of measurement with an emphasis on problem solving and critical thinking. This course is designed specifically for students who seek middle grade (4 through 8) teacher certification.

**Semester Hours Credit:** 3

**Lecture/Lab Hours:** 3-0

**Prerequisite:** MATH 1350 or MATH 1314

**Textbook(s):** *A Problem Solving Approach to Mathematics for Elementary School Teachers (12<sup>th</sup> edition)* – **optional**  
ISBN: 9780321987297

*MyMathLab Student Access Kit (4<sup>th</sup> edition)* – **required**

ISBN: 9780321199911



**Required Supplies:** TI-83/84 Graphing Calculator  
Internet Access for completing MyMathLab assignments

**Course Learning Outcomes:**

Upon successful completion of this course, students will:

1. Develop an understanding of basic probability, descriptive statistics, geometry, and measurement for the middle grade classroom.
2. Apply and communicate the use of basic probability and counting techniques in problem solving for the middle grade classroom.
3. Use descriptive statistics to analyze data and communicate its use in problem solving for the middle grade classroom.
4. Recognize and name geometric shapes and their properties.
5. Use the English and Metric measuring systems to measure objects and communicate its use in problem solving for the middle grade classroom.
6. Develop an understanding of geometric transformations and the skill to apply and communicate its use in problem solving as appropriate for the middle grade classroom.

**Evaluation Methods:**

Homework	15%	A = 90 – 100%
Quizzes	15%	B = 80 – 89%
Exams	40%	C = 70 – 79%
Final Exam	30%	D = 60 – 69%
		F = Below 60%

**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](mailto:sdalice@coastalbend.edu); Beeville at [sdbeeville@coastalbend.edu](mailto:sdbeeville@coastalbend.edu); Kingsville at [sdkingsville@coastalbend.edu](mailto:sdkingsville@coastalbend.edu); and Pleasanton at [sdpleasanton@coastalbend.edu](mailto: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.

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

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Coastal Bend College



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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.