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

ISBN: 9780321987297

MyMathLab Student Access Kit (4th 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:

<table>
<thead>
<tr>
<th>Assessment</th>
<th>Weight</th>
<th>Grade</th>
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</thead>
<tbody>
<tr>
<td>Homework</td>
<td>15%</td>
<td>A = 90 – 100%</td>
</tr>
<tr>
<td>Quizzes</td>
<td>15%</td>
<td>B = 80 – 89%</td>
</tr>
<tr>
<td>Exams</td>
<td>40%</td>
<td>C = 70 – 79%</td>
</tr>
<tr>
<td>Final Exam</td>
<td>30%</td>
<td>D = 60 – 69%</td>
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<tr>
<td></td>
<td></td>
<td>F = Below 60%</td>
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</tbody>
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See at: [GL (Legal)](https://www.coastalbend.edu/academic-affairs/accessibility)
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).

Coastal Bend College, its faculty, students and employees must comply with Copyright Law. Detailed information on Copyright Law and Intellectual Property Rights is available in Coastal Bend College Policy CT (Legal) and CT (Local).

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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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.

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.