Syllabus
MATH 1351
Fundamentals of Mathematics II

Course Description: 3 semester credit hours  3-0 Lecture/Lab hours
Concepts of geometry, probability, and statistics, as well as applications of the algebraic properties of real
topics to concepts of measurement with an emphasis on problem solving and critical thinking. This
course is designed specifically for students who seek middle grade (4-8) teacher certification.

Prerequisites: Math1350 or Math 1314.

School Teachers, 10th ed., 2010, Addison Wesley.

Course Materials: TI-83Plus or TI-84Plus Graphing Calculator, MyMathLab Access Code

Internet Access: Students are responsible for completing all assignments in MyMathLab, which requires an
internet service provider that is compatible with MyMathLab. Students may have to use campus computer labs, as
needed, in order to meet the MyMathLab assignment deadlines.

Student 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 it 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:

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<thead>
<tr>
<th>Component</th>
<th>Percentage</th>
<th>Grade Range</th>
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<tbody>
<tr>
<td>Homework</td>
<td>15%</td>
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<tr>
<td>Quizzes</td>
<td>15%</td>
<td></td>
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<tr>
<td>Exams</td>
<td>40%</td>
<td></td>
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<tr>
<td>Final Exam</td>
<td>30%</td>
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<tr>
<td>A=90%-100%</td>
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<td></td>
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<tr>
<td>B=80%-89%</td>
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<td>C=70%-79%</td>
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<td>D=60%-69%</td>
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<tr>
<td>F= Below 60%</td>
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</tbody>
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Class Policy provided by Instructor.

Student Behavior: College students are expected to attend class promptly and be prepared to learn every day.
Dual Credit students and Concurrent Enrollment students are official college students as well and are expected
to perform at the college level and to honor all policies and deadlines published by the college or by the
instructor. Every lecture and lab is important and the student is responsible for any missed material. Address
your Instructors, fellow students, and CBC employees respectfully. Laptops will not be allowed in lecture,
unless approved by the instructor. Turn off your cell phone(s) before entering the classroom and put away in
your bag. Cell phones will not be allowed anywhere on or under your desk, on you, and will not be used as
calculators. Handling your cell phone for any reason during lecture or lab will be cause for dismissal from class. Exceptions may be approved by the instructor. If you must be contacted while in class for any reason, then it is your responsibility to:

- Inform your Instructors well in advance before class begins that you may be contacted during the day and possibly have to leave campus and be absent.
- Provide the person who must contact you with your daily class schedule. This should include Building, Name of Building Secretary, Classroom number, and the days and times when you may be reached. Times that you may be reached while on campus must be before or after classes begin.
- Leave this information with the secretaries of the buildings in which your classes are being held.

In order to maintain and preserve a constructive learning environment, disruptive behavior will not be tolerated. Disruptive behavior in class by any student(s) may result in dismissal from class or may result in suspension from the class/college. Academic dishonesty is also cause for dismissal and/or suspension from college. Refer to the Student Handbook for Academic and Disciplinary Policies. Students will be marked absent for leaving class before the end of the period for any reason.

**Attendance Policy:**
A student with excessive absences (more than 6 hours total for Lecture and/or Lab) will be reported to the registrar’s office of Coastal Bend College and are in danger of being dropped from the class. Being dropped from a course may have a negative impact on a student’s full-time status. **Lab attendance is a requirement**, not an option. Students are required to attend a 1 hour lab according to the lab schedule for reinforcement and practice of the topics taught in class. Students who do not attend lab will be dropped from the course.

**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. Acts prohibited by the college for which discipline may be administered include scholastic dishonesty, including but not limited to cheating on an exam or quiz, plagiarizing, and unauthorized collaboration with another in preparing outside work. Academic work submitted by students shall be the result of their thought, work, research or self-expression. Academic work is defined as, but not limited to, tests, quizzes, whether taken electronically or on paper; projects, either individual or group; classroom presentations; and homework. Scholastic dishonesty shall constitute a violation of these rules and regulations and is punishable as prescribed by Board policies. Students will be held accountable for infractions of the following codes of conduct:

1. **Collusion:** having someone else do your assignments for you which are required for the course
2. **Cheating:** copying from another student’s test/work or using unauthorized materials or electronic or web-based sources during the test; giving or receiving aid unauthorized by the instructor during assignments or tests.
3. **Plagiarism:** unacknowledged quotation and/or paraphrasing of some else’s words, ideas, or data and passing it off as your own work submitted for credit or grade.
   (Refer to Student Conduct section in the CBC Student Handbook for additional information.)
   
Cheating on a math test will result in the student receiving a grade of zero for the test and an “F” for the course
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; 28CFR 35.130(g)

Students with disabilities, including learning disabilities, who wish to request accommodations in this class, should contact the Counseling Office as soon as possible to make arrangements. In accordance with federal law, a student requesting accommodations must provide documentation of disability to the Special Needs Counselor. For more information, please go by the Counseling Office, or contact:
- Beeville Counselor, Eddie Rojas, edrojas@coastalbend.edu (361) 354-2731 or 2720
- Alice Counselor, Dee Berthold, deedee@coastalbend.edu (361) 664-2981, Ext. 3025
- Kingsville Counselor, Amanda Barrera, Amanda@coastalbend.edu (361) 592-1615 Ext. 4074
- Pleasanton Counselor, Terry Villanueva, terry@coastalbend.edu (830) 569-4222, Ext. 1203

Students who are requesting accommodation must provide the instructor with a letter of accommodation from the Counseling Office (OSD). Accommodations can only be made after the instructor receives the letter of accommodation.

Coastal Bend College does not discriminate on the basis of race, creed, color, national origin, gender, age, or disability.

MATH 1351 Course Outline

Math 1351 consists of the following units:
- Unit 1: Probability 9.1-9.5
- Unit 2: Data Analysis/Statistics 10.1-10.4
- Unit 3: Introductory Geometry 11.1-11.4
- Unit 4: Constructions, Congruence, and Similarity 12.1-12.5
- Unit 6: Motion Geometry and Tessellations 14.1-14.5