MAC1105 COLLEGE ALGEBRA
Traditional Face-to-Face Course

I. Semester Information

MAC 1105: College Algebra, 3 lecture hours, and 3 credit hours.
Prerequisite: Math placement test or a minimum grade of "C" in MAT 1033.
Current Semester: SPRING 2025 **CRN** 13534

II. Contact Information

Instructor: Kristi Krutchek, Assistant Professor of Mathematics

Instructor Credentials:
A.A., Gulf Coast Community College
B.S.B.A. in Accounting, University of West Florida
M.Ed. in Curriculum and Instruction in Math (K-14), Concordia University
M.S., Mathematical Sciences, University of West Florida

I have been teaching since 2010, and I have taught a range of courses including developmental courses, Intermediate Algebra, College Algebra, Precalculus Algebra, Plane Trigonometry, and Calculus I. I have taught at Lake Sumter State College and the FSU Panama City campus. I teach face-to-face courses as well as online courses.

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Division Chair contact information: Angelia Reynolds, areynolds@gulfcoast.edu;
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Division Admin. Assistant contact information: Scott Spencer, sspencer@gulfcoast.edu;
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III. Approved Course Materials and Resources

a. **Textbook** MyLab Math with eTEXT for College Algebra 18weeks, Robert Blitzer, Copyright 2022, Pearson, **ISBN 9780137423361**
b. **Graphing Calculator:** A graphing calculator is required (TI-83 or TI-84). The problems in the text, software, and course videos are illustrated using the TI-84+. Students are expected to have their own calculators. If a student wishes to use any other calculator, they must see their instructor in advance for approval.

IV. Curriculum

a. **Course Description:** In this course, students will develop problem solving skills, critical thinking, computational proficiency, and contextual fluency through the study of equations, functions, and their graphs. Emphasis will be placed on quadratic, exponential, and logarithmic functions. Topics will include solving equations and inequalities, definition and properties of a function, domain and range, transformations of graphs, operations on function, composite and inverse functions, basic polynomial and rational functions, exponential and logarithmic functions, and applications.

b. **Methods of Instruction**

   i. **Traditional Class Room Setting**

   This course is conducted by the lecture-question-demonstration method. At the beginning of the period, questions from the previous lectures and problem assignments are discussed. Following these discussions, the instructor lectures on current material from the text. Proofs and demonstrations of methods are presented thoroughly, when not beyond the scope of the course and the background of the students. A short summary is given and a problem assignment is made. Small group activity is encouraged. The use of the graphing calculator is demonstrated in class. When time permits examples of problems in MyLab Math should be shown. Students are also encouraged to use the videos available in the canvas master course. Unit tests and the final exam times are announced in advance through the daily academic schedule. Problems frequently missed are reviewed whether requested or not.

c. **Broad Goals of the course:**

The goal of this course is to give the student (1) a thorough background in algebra as a basis for the pre-calculus, trigonometry, calculus sequence and (2) algebra skills and concepts useful in any future mathematics course work. It is expected that the student will be able to understand the concepts of algebra as well as work a range of problems, from basic problems up to the more difficult application and conceptual problems. The student must earn a grade of "C" or better in this course in order to receive college math credit and proceed to the next level math course.

d. **Approved Student Learning Outcomes (objectives)**

The student will:

1. Solve an equation or an inequality using an appropriate technique.
2. Define and describe functions, their properties, and graphs.
3. Manipulate functions to simplify expressions and find new functions.
4. Use transformations to write an equation for a function and to graph a function.
5. Model and solve real-world problems using functions.

V. **Student's Expectations of the Instructor**

a. **Office Hours:** During a regular Fall or Spring semester, I am available for 10 office hours (typically walk-in) each week. The specific hours will be posted in Canvas the first week of classes. Availability outside of office hours is by appointment.

b. **Learning Management System Usage Notification**: Canvas Resources. are available for students to learn more about using the Canvas learning management system we are using for this course. Since all assignments are submitted through Canvas and/or MyLab Math (unless otherwise noted), access to a computer is required for this course. Students have free access to computers at all campuses. Canvas lists minimum computer specifications and supported browsers to ensure compatibility. The Chrome browser is recommended.

c. **MyLab Math**: Engages students with immersive content, tools, and experiences part of the world's leading collection of online homework, tutorial, and assessment products, Pearson MyLab Math is designed with a single purpose in mind: to improve the results of all higher education students, one student at a time. You will enroll in MyLab Math through the Canvas course after the course is available at the beginning to the semester. You do not need a course ID.

d. **Email/voicemail response time of the instructor:** Students can anticipate responses to inquiries and questions within 24-48 hours of receipt except on weekends and holidays. I generally reply to emails Monday through Friday. Voicemail will be returned within 1 to 3 business days.

VI. EXPECTATIONS OF THE STUDENT

a. **ACADEMIC INTEGRITY:**
Honest participation in academic endeavors fosters an environment in which optimal learning can take place and is consistent with the college's mission. Academic misconduct, including cheating or plagiarism, is destructive to the spirit of an educational environment and therefore will not be tolerated. "Cheating" includes but is not limited to use of any unauthorized assistance in completing course work. "Plagiarism" includes, but it not limited to, the use by paraphrase or direct quotation of the published or unpublished work of another person without full and clear acknowledgment. Sanctions for incidences of academic misconduct, depending on the severity of the incidence and/or its repetition, may range from receiving an F grade (or zero) for the test, assignment, or activity, to failure of the course, to suspension or dismissal from the program or the college.

b. **GULF COAST MATH LAB (Tutoring help!) Online or face to face.**
The Math Lab is on the second floor of the SUW building rooms 260 and 261. Their operating hours can be found in Canvas and posted on the Math Lab door. The also offer online tutoring during specific hours. Pleas take advantage of this free tutorial service. There should be a link in your Canvas course to the math Labe page that includes more information and their operating hours.

c. **Online Videos**
Course videos can be found on the Canvas under the test materials links. If you miss a class, it is strongly encouraged that you watch these useful videos.

d. **Accessibility Statement**
Gulf Coast State College supports an inclusive learning environment for all students. If there are aspects of the instruction or design of this course that hinder your full participation, reasonable accommodations can be arranged. Prior to receiving accommodations, you must register with Student Accessibility Services. Appropriate academic accommodations will be determined based on the documented needs of the student. For information regarding the registration process, email sar@gulfcoast.edu or call 850-747-3243.

e. **Recording of Lectures**
HOUSE BILL 233 RECORDING CLASSES In accordance with federal and state privacy laws, students may record class lectures for their own personal educational use, in connection with a complaint to the college, or as evidence in internal or external legal proceedings. Students may not publish or upload the recordings or any components thereof without the knowledge and written permission of the faculty member. Failure to obtain permission to publish could lead to the students' having to pay damages, attorney fees, and court costs. For more information about what can be recorded, please see the guidelines on pages 36-38 in the GCSC Student Handbook https://www.gulfcoast.edu/current-students/student-handbooks/2021-2022-student-handbook.pdf.

f. **Attendance and Withdrawal Policy**

ATTENDANCE: Regular attendance and participation are significant factors that help to promote success in college. Students are expected to attend ALL class meetings of all courses for which they are registered.

WITHDRAWALS: There are two types of withdrawals.

1. STUDENT WITHDRAWAL – Students wishing to withdraw from the course must complete a withdrawal form and submit the form to the Office of Enrollment Services before the scheduled withdrawal deadline as published in the college catalog. The last day to withdraw from any class is to be determined but is usually the week following midterms. Withdrawals cannot be processed beyond that date.

2. ADMINISTRATIVE WITHDRAWAL – Students who do not make academic progress in this course will be withdrawn. At least one quiz must be completed within the first few days of the class opening for online classes or the student will be withdrawn as a "NO SHOW". A student missing two (2) tests can be withdrawn for failing to attend and make academic progress.

3. CONSEQUENCES OF WITHDRAWALS: Two withdrawals are permitted per credit course. After that, a grade will be assigned. Please be concerned about withdrawals. When admitting students into certain programs, universities may calculate withdrawals as grades. It is your responsibility to verify the effects of enrollment and/or withdrawal upon your financial assistance.

g. **CLASSROOM CONDUCT POLICY**

In order to promote a learning environment in which you as a student may receive the greatest consideration, we will do all we can to prevent unnecessary interruptions and class disruptions. To this end, it is the stated policy of the Division of Mathematics that disruptions, absolutely and unequivocally, will not be tolerated in the classrooms administered by this division. To this end, we remind you that the **instructors are obligated** to adhere strictly to the following policies:

i. **Turn off cell phones upon entering class!**

ii. **Everyone is required to be in class on time.**
Anyone entering the classroom after the instructor has begun class is late and is disruption to the class. The instructor must implement an appropriate policy to discourage late arrivals.

iii. **The student must have prior consent of the instructor before leaving the class early.**
If you must leave class early, notify the instructor before the beginning of class. We do not conduct "open" classrooms where individuals may arrive and exit at their discretion. This activity is disruptive to those trying to learn and will not be allowed. If you leave early without prior notification to the instructor, you will not be allowed back in the classroom without first obtaining permission from Mrs. Reynolds, Chair of the Division of Mathematics.

iv. **The instructor is not to allow talking or other inappropriate distractions to occur.**
Talking or other disruptive behavior (including all electronic devices such as IPODS, Blackberries, cell phones, except approved graphing calculators) is a distraction to other students and has no place in a college environment. Students who engage in such behavior will be asked to stop. If the behavior continues, the student will be asked to leave and confer with Mrs. Reynolds, Chair of the Division of Mathematics, concerning the nature of the behavior before being allowed back in the classroom.

v. **NO FOOD IS ALLOWED IN THE CLASSROOM.**
vi. **Infractions of discipline may be handled by the instructor as final authority.**
vii. **The student has a right to appeal.**

VII. **Measure of Student Performance**

a. **MyLab Math**: There will be quizzes and homework assignments for each unit in my MyLab Math. You are allowed to repeat each quiz and homework before the deadline multiple times and the highest score is kept. There will be unit test reviews that will give you a good indication of how you will do on the tests in MyLab Math. There is also a final exam review.
b. **Testing:** There will be five-unit tests and a final exam in MyLab Math. The unit tests will be announced in advance, and will count equally. There are **no exemptions** from the final exam.
c. **Grading:** The average of the five-unit tests will count 50% of your grade. The quizzes will count 10%, homework will each count 15%, and reviews for tests will count 0% of your grade. A comprehensive final exam (no exemptions) will count 25% of your grade. The college grading scale will be used to convert the numerical average to a letter grade. The GCSC grading scale is: A (100-90), B (89-80), C (79-70), D (69-60), and F (59-0).

VIII. Details subject to change

The syllabus found here is subject to change. The instructor will make the most current syllabus available to students by the first day of class.