

## MAC1105 COLLEGE ALGEBRA

### e-Learning Syllabus

#### 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: Summer 2024

CRN 50218

#### II. Contact Information

Instructor: Kristi Krutchek, Assistant Professor of Mathematics

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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#### 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:** Topics included are functions and functional notation, domains and ranges of functions, graphs of functions and relations, operations on functions. Several types of functions and their applications are studied such as quadratic functions, rational functions, absolute value functions, exponential and logarithmic functions. Systems of equations and systems of inequalities are presented.

**b. Methods of Instruction****i. e-Learning Class**

This method requires students to complete the course on their own with proctored examinations. Rather than attending live lectures, students will view on-line course videos. There are no class meetings. Students obtain course information including test times and procedures that can be viewed on the Canvas LMS. Students are required to take proctored unit tests and a final exam at the dates specified either at the GCSC campus testing center or with an approved proctor at a designated remote area. Students will study the E-textbook and work on the practice and homework problems in MyMathLab. The College Algebra Study Guide and course videos are available on the Canvas LMS. Students should check Canvas daily for e-mails and announcements. Your MyMathLab code is good for 18 weeks.

**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:**

- i. Factor various types of algebraic expressions.
- ii. Graph equations, functions, and inequalities, with and without the aid of a graphing utility; examine and sketch the graphs of functions using transformations.
- iii. Identify and evaluate functions; perform operations on functions to find new functions; determine domain and range of functions.
- iv. Use appropriate methods to analyze and solve quadratic, radical, absolute value, logarithmic, exponential, and other types of equations as well as systems of equations and inequalities.
- v. Model and solve real-world problems using functions.
- vi. Correctly memorize and apply mathematical formulas and properties.

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

- a. **Office Hours:** I will respond to questions via Canvas email. I am also available to meet with you via Zoom if you schedule an appointment with me. You 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.

- b. **Learning Management System Usage Notification:** All assignments are submitted through Canvas and/or MyMathLab (unless otherwise noted). Access to a computer is required for this course. Canvas contains the majority of the course content, including the course videos, study guide, homework, quizzes, the review for the exams and the exams. Assignment due dates and testing window dates are posted in Canvas also. The Canvas gradebook will be set up in Canvas to calculate your grade.
- c. **MyMathLab:** You must purchase a MyMathLab code to be able to access the assignments in MyMathLab. You can purchase the MyMathLab code at the GCSC Bookstore or from person.com. You must register your MyMathLab code using the Canvas course after Canvas is open at the beginning of the semester. You do not need a course ID.
- d. **Email 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.

## 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 and their operating hours can be found in Canvas and posted on the math lab door. They also offer online tutoring during specific hours. Please take advantage of this free tutorial service. There should be a link in your Canvas course to the Math Lab 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. Students are expected to watch the videos to learn the course material to prepare for the exam. The instructor is available to answer questions about the videos by email or during office hours.

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](mailto: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: This is an online class. This class will not meet, but you are expected to keep up the course requirements and complete assignments and tests on time. 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. **Proctored Tests**

Students are required to take proctored unit tests and a final exam at the dates specified either at the GCSC campus testing center or with an approved proctor at a designated remote area.

**VII. Measure of Student Performance**

- a. **MyMathLab:** There will be quizzes and homework assignments for each unit in my MyMathLab. You are allowed to repeat each quiz and homework 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 MyMathLab. There is also a final exam review.
- b. **Testing:** There will be five-unit tests and a final exam in MyMathLab. 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 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.