

**Pensacola State College Section Syllabus**  
**MAC1105\_M1009 College Algebra**

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**Math Department Office:**

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**Course Name:** College Algebra

**Course Prefix and Number:** MAC 1105

**Course Description:** Covers the following topics: functions and functional notation; domains and ranges of functions; graphs of functions and relations; operations on functions; inverse functions; linear, quadratic, and rational functions; absolute value and radical functions; exponential and logarithmic properties, functions, and equations; systems of equations and inequalities, applications (such as curve fitting, modeling, optimization, exponential growth and logarithmic growth and decay.). Meets A.A. general education Category III.

**Credit hours:** 3

**Prerequisites and Co-requisites:** Appropriate scores on Florida Entry Level Placement Exam or completion of MAT1033 with a grade of "C" or better.

**Text:** College Algebra, 3<sup>rd</sup> Edition, McGraw Hill 2023. Miller, Gerkin.  
ISBN 9781260260434

**Other Text References:** You may use the loose-leaf version of the textbook or obtain the access code for the e-book instead of the hardback version if you wish.

**Learning Outcomes:** Upon completion of this course, the student will be able to solve problems relating to:

1. Solve linear, quadratic, rational, absolute value, and radical equations and inequalities, algebraically and graphically.
2. Use exponential and logarithmic properties to analyze functions and solve equations.
3. Analyze functions and relations.
4. Sketch and interpret graphs of linear, quadratic, rational, absolute value, radical, exponential and logarithmic functions.
5. Solve systems of equations and inequalities.
6. Set up and solve applications problems related to the above concepts.

**Other necessary materials:**

A Scientific calculator is required.

**Evaluation/Assessment Measures:**

Prior to each chapter test, we will have a homework check. You will work it at home and turn it in on the day of the chapter test. These problems typically come from the chapter tests at the end of each chapter in the textbook. They also serve as an excellent basis of review for each in-class test. All work should be done thoroughly, neatly, and in pencil in order to receive full credit. Sloppy or incomplete work will be penalized.

There will be a cumulative homework grade (4 x 25 points each = 100 points), 4 regular tests (100 points each), and one comprehensive final exam (100 points). Your lowest regular test score will be dropped.

The final exam is mandatory for all students and will not count as a drop grade. The total number of points to be earned in the course is 500. Therefore, to calculate your final grade I will sum your points and divide by 5.

NO make-up exams will be given. There is NO make-up homework. There is NO extra credit. Late assignments will NOT be accepted. A missed regular exam will count as your drop grade. However, if you know you will miss an exam for a legitimate reason it may be possible to take the exam early. You must be proactive and communicate with me before the exam occurs in order to pursue this option.

Anyone caught cheating will receive an F for the course.

Homework	100 points
Tests (top 3)	300 points
Final Exam	100 points
Total	500 points

90-100	87-89	80-86	77-79	70-76	67-69	60-66	0-59
A	B+	B	C+	C	D+	D	F

**Tutoring:** Pensacola State College offers free tutoring to all math students in the Math Lab. Your instructor will give you a Math Lab schedule and inform you of all tutoring sessions at PSC.

**Tentative course schedule for semester:** Instructor reserves the right to modify the schedule during the semester if necessary. Please log into Canvas to view the detailed daily schedule.

**Attendance**

Regular and punctual attendance is required. Students are responsible for knowing and adhering to the instructor's attendance policy for each course taken. A student not in the class at its beginning will be counted tardy. Habitual or excessive tardiness can be converted to absences.

A student may miss one class meeting beyond the number of times the class meets per week before being considered excessively absent. EXAMPLE: For a class that meets MW each week, a student can miss 3 classes. On the 4<sup>th</sup> absence the student can be assigned an F for the course.

### **Classroom Etiquette**

NO personal audio or video games, NO children, NO hats on exam days. Please turn off (or silence) cell phones, beepers, laptops, and other electronic devices. You are not allowed to record lectures without express consent of the instructor. If you have an emergency and must leave in the middle of class, please do so quietly. Foul or abusive language will not be tolerated. Our goal is to have an atmosphere of mutual respect which is conducive to learning.

### **Final Exam**

Final examinations are administered during the final examination week at the end of each term, at the dates and times published on the Pensacola State College website. It is each student's responsibility to know when and where final examinations are scheduled and to be present and on time with all required materials. ALL students must take a final to receive a grade in the course, NO exemptions. NO early exams are allowed. (PSC Catalog p. 46)

### **Academic Integrity**

It is the responsibility of the student to adhere to the policies on p. 18-21 of the student handbook.

### **Student Email Accounts**

Pensacola State College provides an institutional email account to all students enrolled in courses for credit. PirateMail is the official method of communication, and students must use Piratemail when communicating with the College. In cases where companion software is used for a particular class, email may be exchanged between instructor and student using the companion software.

### **Flexibility**

It is the intention of the instructor to accomplish the objectives specified in the course syllabus. However, circumstances may arise which prohibit the fulfilling of this endeavor. Therefore, this syllabus is subject to change. When possible, students will be notified of any change in advance of its occurrence.

### **ADA Statement**

Students with a disability that falls under the Americans with Disability Act or Section 504 of the Rehabilitation Act, it is the responsibility of the student to notify Student Resource Center for ADA Services to discuss any special needs or equipment necessary to accomplish the requirements for this course. Upon completion of registration with the Student Resource Center for ADA Services office, specific arrangements can be discussed with the instructor.

### **Pirates CARE Student Resource Center**

As a student, you may experience challenges that can interfere with your academic and personal success. These can include things such as basic needs (food, housing, transportation,

healthcare, etc.), increased anxiety, depression, substance use, grief, or other stressful experiences. The Pirates CARE Student Resource Center provides free services to students, including emergency aid, campus food pantries, career clothing closets, connections to local resources for basic needs support, and confidential mental health counseling services provided in-person or via telehealth.

You can contact the Pirates CARE Student Resource Center at 850-484-1759 or by email at [PiratesCARE@pensacolastate.edu](mailto:PiratesCARE@pensacolastate.edu). More information about our services can be found online at [www.pensacolastate.edu/PiratesCARE](http://www.pensacolastate.edu/PiratesCARE).

For additional 24/7 crisis help, the Crisis Text Line can be accessed by texting "GULF" to 741-741, and the Suicide Lifeline can be reached by phone at 9-8-8.

### **Equity Statement**

Pensacola State College does not discriminate against any person on the basis of race, color, national origin, sex, disability, age, ethnicity, religion, marital status, pregnancy, sexual orientation, gender identity or genetic information in its programs, activities, and employment. For inquiries regarding the College's nondiscrimination policies, contact the Executive Director of Institutional Equity and Student Conduct, 1000 College Blvd., Building 5, Pensacola, Florida 32504, (850) 484-1759.

### **Security Statement**

Pensacola State College is committed to encouraging all members of the College community to be proactive in personal safety measures. In case of emergency, students should ensure that they are aware of the building exit closest to each of their classrooms, as well as all alternative building exits in case circumstances require using a different route.

### **Emergency Statement**

In the case of severe weather or other emergency, the College administration maintains communication with appropriate state and local agencies and makes a determination regarding the cancellation of classes. Notices of cancellation will be made through the College's PSC Alert system and on the College's website.