



**Pensacola State College District Syllabus  
MAC 1105 -D9286  
College Algebra**

**Instructor: Marvin Portillo**

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**Semester Hours:** 3 credit hours

**Prerequisites:** Appropriate placement score or completion of MAT 1033 with a grade of C or better.

### **COURSE INFORMATION**

**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 functions, composite and inverse functions, basic polynomial and rational functions, exponential and logarithmic functions, and applications.

**Semester Offered:** Fall, Spring, Summer.

**Course Designations:** Meets AA General Education Core, Mathematics requirement.

**General Education Core Course Standard:** Per Florida Statute 1007.25, "Mathematics courses must afford students a mastery of foundational mathematical and computation models and methods by applying such models and methods in problem solving."

#### Textbooks:

College Algebra ( ALEKS 360 for College Algebra) Access Code; Miller and Gerken;  
9781266688515; 3rd; McGraw-Hill; 2023

College Algebra ( ALEKS 360 for College Algebra) Access Code; Miller and Gerken;  
9781266692246; 3rd; McGraw-Hill; 2023

**Note: You do not need a physical book. By registering for this course, you will have access to both the e-text book and ALEKS.**

**Supplement Materials:** Scientific calculator permitted; no graphing calculators allowed.

#### **Special Requirements:**

There is a \$24.99 Lab Fee for Distance Learning courses and NO Lab Fee for Hybrid courses. Distance Learning and Hybrid Sections require an ALEKS access code. Use of ALEKS in face-to-

face sections is at the discretion of the instructor. Contact your instructor to determine if ALEKS is required. For sections NOT requiring ALEKS the textbook listed is required.

### Course Learning Outcomes:

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 relations and functions.
4. Sketch and interpret graphs of linear, quadratic, rational, absolute value, radical, exponential and logarithmic functions.
5. Solve systems of equations and inequalities.  
Set up and solve application problems related to the above concepts.

### General Education Student Learning Outcomes:

**Critical Thinking:** The student analyzes, evaluates, and, if necessary, challenges the validity of ideas, principles, or data in order to develop informed opinions, probable predictions, or defensible conclusions.

**Scientific and Mathematical Literacy:** The student properly identifies and applies scientific or mathematical principles and methods.

**Information Literacy:** The student effectively locates, evaluates, and applies information from a variety of sources.

### METHODS OF EVALUATION:

**Grade calculation:** Your final grade is based on:

(1) 4 chapter tests, (2) homework (3) midterm grade and (4) final exam grade.

Table 1 Grade Calculation

Grading Calculation	
Average of Homework Assignments (ALEKS)	15%
Average of Five Tests	15%
Mid-Term	35%
Cumulative Final Exam	35%
Totals	100%

### COURSE FORMAT

**Course Companion:** Canvas at <https://pensacolastate.instructure.com/>

This course is fully online. Each week you will have assigned lecture recordings to watch and take notes on. Assignments on ALEKS, tests, the mid-term and final exam will be based on and center on the material covered in these lectures. In addition there will be a weekly discussion post for students to complete.

## IMPORTANT DATES

Table 2 Brief class schedule

Summer 2026 Session A		Spring 2026 Holidays	
Classes Begin	May 13th	Memorial Day	Mon, May 5 <sup>th</sup> (No classes)
Drop/Add Period Ends	May 13th		
Last Day to Withdraw	July 13 <sup>th</sup>	Independence Day Observance	Fri, Jul 3 <sup>rd</sup> (Campus Closed)
Final Exam	Week of Aug 3rd		
Last day of term	Aug 6th		

### STUDENT EXPECTATIONS: STUDENTS ENROLLED IN THIS COURSE CAN EXPECT THE FOLLOWING:

- clearly identified course objectives;
- productive class meetings;
- a positive learning environment;
- opportunities for appropriate student participation;
- effective instruction;
- positive and appropriate interactions;
- assistance with meeting course objectives during and beyond class hours;
- evaluation of student performance and appropriate and timely feedback; and
- clear and well-organized instruction.

### TENTATIVE COURSE SCHEDULE (see attached sheet):

The instructor reserves the right to modify the course schedule during the semester if necessary.

### COLLEGE AND CLASSROOM POLICIES

**Absence policy:** Failure to attend during the first two weeks of the term may result in a student being dropped from the course. Attendance will be kept track of. In the event of repeated excessive absences a student may be dropped from the course. Attendance is not a method of evaluation however missing class will affect the understanding and mastery of the course outcomes which in turn will impact performance on assignments and test.

**Go through the modules to access assignments. You miss information if you just follow the to-do list.**

#### Course Policies:

1. This class will be conducted per the rules and regulations of Pensacola State College.
2. Regular attendance is required. Students who do not attend the first week will be withdrawn.
3. It is up to students to keep up with grades and due dates in Canvas.
4. **You cannot use your cellphone as a calculator.**
5. Do not cheat. If caught, you will receive a 0 on the assignment. For major grades, you will receive a 0 and be referred to the Office of Student Conduct where you could be subject to a formal hearing/expulsion.

6. **The midterm and final exams must be taken during the scheduled exam times. No early exams. No late exams. Very few exceptions.**

**Makeup or Late work:** ALEKS homework assignments and Quizzes will be due one-week after they are assigned. ALEKS homework assignments will be open for one additional week at a 50% late penalty. After this a zero will be recorded for any missed assignments.

**Missed Exams:** In the event circumstances arise that cause you to miss an exam. You will have one week to set up an appointment at the testing center to take the missed exam before it becomes a grade of zero. [Tests do not fall under this category]

Info on how to do that is in the other testing options module on Canvas.

**Computer Issues:** It is your responsibility to contact tech support as soon as possible. If you need a computer, Mrs. Listau was helping students be put on a waiting list to borrow one.

Contact: [lilistau@pensacolastate.edu](mailto:lilistau@pensacolastate.edu)

## COMPUTER ACCESS

Computers are available for student use in the student lounge in Bldg. 27.

## FREE TUTORING

- **Math Lab**

Free math tutoring is available to all Pensacola State College students currently enrolled in developmental education or college level courses. No appointment is necessary. Services include tutoring in all math and math-related courses, instruction for using scientific calculators, study tips, test-taking strategies, and textbooks and solution manuals for most Pensacola State College math courses. Computers are available for homework and online course work. Virtual tutoring featuring live online help is also offered. See the locations and contacts below:

Pensacola campus	Bldg. 1, Rm. 111 (Baars Bldg.)	(850) 484-2003
Warrington campus	Bldg. 3100, Rm. 3142D	(850) 484-2378
Milton campus	Bldg. 4400, Rm. 4401	(850) 484-4403

- **Student Support Services and Veterans Student Support Services (TRIO)**, located on the Pensacola Campus, building 6, Room 620 (484-2032), provides one-on-one tutoring to students who apply to the program and meet eligibility requirements. Visit

<https://www.pensacolastate.edu/current-students/student-services/trio/#1469628978223-5907079d-8ba5>

## STUDENT TESTING CENTERS

Pensacola campus	Bldg. 6, Rm. 635	(850) 484-1656
Warrington campus	Bldg. 3300	(850) 484-1076
Milton campus	Bldg. 4200	(850) 484-4420

There are no fees to take a PSC course exam. **Students must present a photo ID to take a test.** Schedule an appointment by phone, or online at [pensacolastate.edu](http://pensacolastate.edu). Use this link to schedule a

test: <https://www2.registerblast.com/pensacolastate/Exam/List>

## CANVAS SUPPORT

Click on the Help tab in the Canvas navigation menu and start a live chat or call the support number (855) 534-1843.

## PSC HELPDESK: (850) 471-4534

## 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.

Table 3 Required College Statements

<b>Academic Dishonesty Statement</b>	Pensacola State College is committed to upholding the highest standards of academic conduct. All forms of academic dishonesty, to include plagiarism and cheating, are prohibited. Penalties for academic dishonesty include but are not limited to one or more of the following: the awarding of no credit on the assignment, a reduction in the course grade, or the assignment of a final course grade of F and removal from the course. See the College Catalog for more details: <a href="#">Academic Integrity</a>
<b>ADA Statement</b>	Students with a disability that falls under the Americans with Disability Act Amendments Act of 2008 or Section 504 of the Rehabilitation Act should contact the Student Resource Center for ADA Services to discuss academic accommodations. Appropriate academic accommodations are determined on an individual basis with careful consideration of the course learning outcomes and the documentation of the disability. For more information, students should visit the Student Resource Center for ADA Services on the Pensacola campus in building 6, room 603; call 850-484-1637; email <a href="mailto:ADAservices@pensacolastate.edu">ADAservices@pensacolastate.edu</a> ; or complete the online intake form in the ADA Services app within the MyPSC apps dashboard.

<b>AI Statement for Writing Emphasis Courses</b>	Because writing emphasis courses focus on the foundational skills of critical thinking, rhetorical awareness, and information literacy, the work presented by students must be original. As such, the use of generative AI for graded assignments is prohibited unless specifically authorized by the instructor. The instructor reserves the right to assign a failing grade to an assignment determined to exhibit markers of generative AI use. In such instances, the student may challenge the failing grade and is responsible for demonstrating the originality of a submitted text. Continued registration in the course will be understood as acceptance of this policy.
<b>Emergency Statement</b>	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.
<b>Flexibility Statement</b>	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.
<b>Nondiscrimination Statement</b>	Pensacola State College does not discriminate against any person on the basis of race, color, ethnicity, religion, sex (as defined by applicable federal and state law), national origin, age, disability, genetic information, pregnancy, or marital status in its educational programs, activities, or employment. For inquiries regarding the College's nondiscrimination policies, contact the Civil Rights Compliance Officer at (850) 484-1759, Pensacola State College, 1000 College Blvd., Pensacola, Florida 32504.
<b>Security Statement</b>	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.
<b>Student Email Statement</b>	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.