

**Pensacola State College Section D9092 Syllabus**  
**MAC 1105 - College Algebra**

**Instructor:** Joshua Tiller  
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**Office Hours:**

<b>Tuesday</b>
<b>4:30pm-6pm</b>

**Credits** 3 cc

**Prerequisites**

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

**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 and logarithmic growth and decay.)

**Offered**

FA, SP, SU.

**Distribution**

Meets AA General Education Core, Mathematics requirement.

**Required Text:**

Miller, Julie and Gerken, Donna. College Algebra, 3rd ed., McGraw Hill, 2023.

(The hardcopy textbook is **NOT** required, but is optional)

**Supplemental Materials:**

Scientific Calculator (TI-30XS or TI-30X IIS) or any basic four function calculator. Other calculators allowed if approved by instructor.

**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 a CONNECT Math access code. Use of CONNECT Math in face-to-face sections is at the discretion of the instructor. Contact your instructor to determine if CONNECT Math is required. For sections NOT requiring CONNECT Math the textbook listed is required.

**Student Expectations**—Students enrolled in this course can expect the following:

- 1) clearly identified course objectives
- 2) productive class meetings
- 3) a positive learning environment
- 4) opportunities for appropriate student participation
- 5) effective instruction
- 6) positive and appropriate interactions
- 7) assistance with meeting course objectives during and beyond class hours
- 8) evaluation of student performance and appropriate and timely feedback
- 9) clear and well-organized instruction.

**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.

**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.
6. Setup and solve application problems related to the above concepts.

**Technology Policy:**

Use of technology in class is permitted as long as the technology is being used for note taking purposes. Any technology that appears to be distracting students will result in being asked to put the item away or asked to be removed from the classroom if necessary. There must be no technology within reach during any exam other than a permitted calculator or other ADA compliant device.

**Methods of Evaluation**

Grading Scale:	
90% - 100%	A
87% - 89%	B+
80% - 86%	B
77% - 79%	C+
70% - 76%	C
67% - 69%	D+
60% - 66%	D

0% - 59%	F
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### Exam Policy

There are four regular exams throughout the semester, each of which will be administered online through the McGraw Hill ALEKS platform. When taking an exam online, there will also be a place to submit scratch work used during the exam. There are fifteen minutes after exam submission allotted to submit the scratch work as well. Failure to upload scratch work within the allotted time will result in the exam not being counted.

Grading Calculation	
1. Average of Homework (MyLab)	25%
2. Four Tests	45%
3. Cumulative Final Exam	30%
<b>Total</b>	<b>100%</b>

### Final Exam Policy

The final exam must be completed “in-person”, such that there is an approved proctor to administer the exam. More information regarding this policy is available in the canvas course with the rest of the course policy details.

**Note: Absolutely no make-up tests will be given. If a student misses a test, then the instructor will assign a zero for the missed test score. The grade on the final exam will replace the lowest or missed test grade. This arrangement is only available once per student per class. Everyone must take the final exam.**

### 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.

### 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.

### **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.

### **Academic Dishonesty Statement:**

Pensacola State College is committed to upholding the highest standards of academic conduct. All forms of academic dishonesty, including 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:

<https://pensacolastate.smartcatalogiq.com/en/2023-2024/Catalog/Student-Handbook/Student-Responsibilities/Plagiarism-and-Academic-Cheating>