

**Pensacola State College Section Syllabus
MAC 1105/D9004 College Algebra**

Instructor: **Marcie Bocz**

Office: **2710G, 850-484-2175**

Email: **mbocz@pensacolastate.edu**

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.

Textbooks:

College Algebra; Miller; 9781266692246; 3rd; McGraw-Hill; 2023

Supplemental Materials:

Scientific Calculator.

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.

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.

Methods of Evaluation

Grade Calculation	
1. Average of Homework Assignments	20%
2. Average of Quizzes	20%
3. Average of 3 Unit Tests	30%
4. Cumulative Final Exam	30%

Grade Scale		
90-100	A	78-79 C+ 60-67 D
88-89	B+	70-77 C 0-59 F
80-87	B	68-69 D+

1. The Average of ALEKS Homework Assignments – 20%

To receive full credit for assignments, work must be completed by the due date. Any homework problems submitted after the due date will receive 50% credit. Three attempts are allowed for most ALEKS homework questions before marked incorrect, and there are unlimited retakes. Assignments are set to *quick retake*, so only questions marked wrong need to be reworked to improve your score.

2. The Average of Quizzes – 20%

There are scheduled Quizzes in ALEKS. Students are allowed two attempts on each quiz and the higher score is included in the overall average. Any ALEKS quiz not submitted by the due date will receive a grade of zero. The lowest quiz grade will be dropped in the final grade calculation.

3. The Average of Unit Tests – 30%

There are three unit tests: Unit 1, Unit 2, and Unit 3. These tests are accessed in canvas with a 90-minute time limit and **proctored using Proctorio, or alternatively, tests can be taken on a computer in an approved student testing center.** A unit practice test is available to be completed before each unit test is taken.

4. Final Exam – 30%

This exam is cumulative (covers Unit 1, 2, 3, and 4). The exam is accessed on canvas with a 2-hour time limit and **proctored using Proctorio, or alternatively, can be taken on a computer in an approved student testing center.** A final review assignment is available to be completed before the final exam is taken.

Academic Dishonesty Statement: 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:

<https://catalog.pensacolastate.edu/content.php?catoid=2&navoid=47#academic-honesty>

Student Email Accounts: Pensacola State College provides an institutional email account to all students enrolled in courses for credit. This institutional email account is the official method of communication, and students must use this account 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 qualifies under the American with Disabilities Act Amendments Act of 2008 (ADAAA) must self-identify with the Student Resource Center for ADA Services (SRC/ADA). Disabilities covered by the ADAAA may include learning, psychiatric, physical disabilities, or chronic health disorders. Students can contact SRC/ADA if they are not certain whether a medical condition/disability qualifies. SRC/ADA is located on the Pensacola campus in building 6, room 603, ADA-services@pensacolastate.edu, 850-484-1637. Students may also complete the online intake form in the ADA Services app within the PSC apps dashboard.

Equity Statement: Pensacola State College does not discriminate against any person on the basis of race, ethnicity, national origin, color, gender/sex, age, religion, marital status, pregnancy, disability, sexual orientation, gender identity, or genetic information in its educational programs, activities, or employment. For inquiries regarding Title IX and the College's nondiscrimination policies, contact the Dean of Students at (850) 484-1759, Pensacola State College, 1000 College Blvd., Pensacola, Florida 32504.

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.