

Pensacola State College Section Syllabus

MAC 1105_P1043 College Algebra

Instructor: Debbie Woods

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Office Hours: Monday & Wednesday 7:30-8:00AM, Tuesday & Thursday 8:30-11:00AM, 2:00-4:00PM

Department Head: Dr. Nelson Stewart

Department Head Phone: (850) 484-1121

Department Head Email: nstewart@pensacolastate.edu

Final Exam Date:

Last Date of Drop/Add: August 23, 2024

Last Date for Student to Withdraw: November 5, 2024

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.

Class Meeting Time: Monday/Wednesday 9:30-10:45AM

Class Location: Building 27 Room 2726

Credits: 3

Prerequisites: MAT 100 Intermediate Algebra with a grade of "C" or better or MAT1033C Intermediate Algebra with a grade of "C" or better.

Offered: FA, SP, SU

Distribution: Meets AA General Education Core, Mathematics requirement

Required Textbooks and Instructional Materials: Access Card/eText or Textbook with code: Julie Miller, College Algebra (ALEKS access code), 3rd Edition, McGraw Hill, 2023. Students may purchase access code via our Canvas shell.

Calculator: Only a TI-30XIIS calculator may be used in this class.

Methods of Evaluation:

At minimum, the instructor will cover content which aligns with statewide and institutional learning outcomes for the course. The instructor will measure student performance using the following:

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

Grading Calculation	
Test 1	18%
Test 2	18%
Test 3	18%
Homework	16%
Attendance	5%
Final Exam	25%
Totals	100%

- A. Tests:** 3 tests will be given in this course. Tests are based on lectures, textbook, and homework assignments. No makeup tests will be given. If a test is missed, a zero will be assigned for that grade. The final exam will replace the lowest test grade.
- B. Homework:** Most homework will be assigned in ALEKS. Some worksheets will also be assigned.
- C. Final Exam.** A final is mandatory and will cover the entire semester.
- D. ATTENDANCE:** Attendance will be taken at the beginning and end of each class--any student beyond ten minutes late will be counted as absent as well as anyone leaving early without permission. No more than **THREE** classes can be missed without penalty. Absences after the third miss will be considered excessive and ½% point will be deducted from the course average for each additional absence over three with a maximum of 5% deduction. A student may also be withdrawn from this course if more than three absences occur.
- E. Extra Credit.**
- 1) May be offered by the instructor.
 - 2) Is only offered to the entire class, not on a case by case basis.
 - 3) Will not be offered after you have taken the final exam and/or after you have received your grade and do not like what you earned and therefore wish to “do something” to improve it after the fact.

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; and
9. clear and well-organized instruction.

General Education Student Learning Outcomes:

- I. Critical Thinking: The student evaluates the validity of ideas, developing informed opinions or defensible conclusion.

- II. Scientific and Mathematical Literacy: The student properly identifies and applies scientific or mathematical principles and methods.
- IV. Information Literacy: The student effectively locates, evaluates and applies information from a variety of sources.

Course 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 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. Set up and solve application problems related to the above concepts.

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>

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. More information about our services can be found online at 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.

Testing:

Please call these numbers to make an appointment to take a test or register online:

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

- There is no fee for any PSC student to take a PSC course exam.
- Students should make an appointment for an exam.
- Students must bring a valid ID. A student cannot test without it.

Tutoring:

The Math Lab offers free math tutoring 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 courses, tutoring in several science courses (please see website or call for current availability), 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 for all math courses is offered.

- Pensacola campus Bldg. 1, Rm. 111 (850) 484-2003
- Warrington campus Bldg. 3100, Rm. 3142D (850) 484-2378
- Milton campus Bldg. 4400, Rm. 4401 (850) 484-4403
- South Santa Rosa Center Bldg. 51, Rm. 5194 (850) 475-4851

Student Support Services and Veterans Student Support Services (TRIO), located on the Pensacola Campus, Building 6, provide one-on-one tutoring to students who apply to the program and meet eligibility requirements.