Pensacola State College
MAC1105_P1081 Section Syllabus

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Final Exam Date: TBA
Last Date of Drop/Add: 8/23
Last Date for Student to Withdraw: 11/5

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: MW 12:30-1:45
Class Location: 2718
Credits: 3

Prerequisites: Appropriate placement score or completion of MAT 1033C with a grade of C or better.
Offered: FA, SU, SP
Distribution: Meets AA General Education Core, Mathematics requirement.

Required Textbooks and Instructional Materials:
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

Supplemental Textbooks and Instructional Materials:
Students should make sure the book comes with the ALEKS access code

Special Requirements: ALEKS is required for this course.

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(ALEKS) access code. Use of CONNECT Math(ALEKS) in face-to-

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

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	
ALEKS Homework	20%
Quizzes	5%
Unit Tests	15%
Midterm	30%
Final	30%
Practice Tests and Attendance	1%
Total	101%

Evaluation of student progress towards achieving the stated learning outcomes and performance objectives is the responsibility of the instructor, within the policies of the College and the department. Detailed explanations are included in the course supplementals developed by the instructor for each section being taught.

Any student who does not participate in the class during the first week will be withdrawn as a no show. Attendance is counted as work done during the week. The week starts on Monday and ends on Sunday. If you have done no work during that time span, then you are counted absent. If need be, some of our Canvas work can be done over the phone through the Canvas App. If you are having trouble doing your work for other reasons, please contact me so we can go over your options.

Contacting me is key. I can't work with you if I don't know what is happening.
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:
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.

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.