

MAC 1105 – College Algebra
Pensacola State College
Syllabus for SP23 Section P1391

Instructor – Dr. Elizabeth Hohn

Office Location - Building 1, Room

Office Phone Number – 850-484-1934

Email Address – ehohn@pensacolastate.edu

Office Hours – Posted

Department Head: Dr. Nelson Stewart; nstewart@pensacolastate.edu

PH: 484-1128, OFFICE: Bldg. 1, RM 186-C

1. **Course Name:** College Algebra

2. **Course Prefix and Number:** MAC 1105

3. **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 growth and logarithmic growth and decay.). Meets A.A. general education Category III.

4. **Credit hours:** 3

5. **Prerequisites and Co-requisites:** Appropriate scores on Florida Entry Level Placement Exam or completion of MAT 1033C with a grade of “C” or better.

6. **Text:** College Algebra, 2nd edition; Miller & Gerken: McGraw Hill, 2015
ISBN: 9781260195224

Supplemental Materials: Scientific Calculator (required)

7. **Other Text References:** Connect Code: **J4WPX-UWJ99**

8. **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 functions and relations.
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 applications problems related to the above concepts.

9. Evaluation/Assessment Measures:

Your grade is based on in-class exams, homework, and one cumulative final exam.

Homework will be graded periodically as determined by your instructor. Quizzes will be assigned at the discretion of your instructor.

Your final exam grade will replace your one lowest test grade if it is higher than your lowest test grade.

Your course average is based on the following:

Homework	10%
In-Class Exams	65%
Cumulative Final Exam	25%

Grading Scale:

90 – 100	A
80 – 89	B
70 – 79	C
60 – 69	D
59 or below	F

Tutoring: Pensacola State College offers free tutoring to all math students in the Math Lab. Your instructor will give you a Math Lab schedule and inform you of all tutoring sessions at PSC.

Important Dates and Holidays:

Important Dates Session A		Holidays Spring 2023	
Classes Begin	Jan 9	ML King Day	Mon. Jan 16
Drop/Add Period Ends	Jan 13	President's Day	Mon. Feb 20
Midterm	Mar 7	Spring Break	Mar. 20 – Mar. 26
Last Day to Withdraw	Apr 5		
Final Exam Week	May 3 – May 9		

10. Tentative course schedule for semester: Instructor reserves the right to modify the schedule during the semester if necessary.

See attached document for detailed daily schedule.

11. College and Classroom Polices:

a. Students with Disabilities

AMERICAN WITH DISABILITIES ACT: The Student Resource Center for ADA Services is located on the Pensacola Campus in Building 6, Room 603, and can be reached by telephone at (850)484-1637. For students with a disability, it is the responsibility of the student to register with the SRC to discuss any special needs or equipment necessary to accomplish the requirements for this course.

b. Attendance

Regular and punctual attendance is required. Students are responsible for knowing and adhering to the instructor's attendance policy for each course taken. A student not in the class at its beginning will be counted tardy. Habitual or excessive tardiness can be converted to absences.

A student may miss one class meeting beyond the number of times the class meets per week before being considered excessively absent. Instructors may withdraw a student who is excessively absent up to the 70th percent point of the semester. (PSC catalog p. 45) EXAMPLE: For a class that meets MW each week. A student may miss 3 classes. On the 4th absence the student can be withdrawn for the class.

c. Final Exam

Final examinations are administered during the final examination week at the end of each term, at the dates and times published on the Pensacola State College website. It is each student's responsibility to know when and where final examinations are scheduled and to be present and on time with all required materials. ALL students must take a final to receive a grade in the course, NO exemptions. NO early exams are allowed. (PSC Catalog p. 46)

d. Academic Integrity

It is the responsibility of the student to adhere to the policies on p. 18-21 of the student handbook.