

MGF 1130Mathematical Thinking Spring 2025 Section D9135

Instructor: Greg Bloxom

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Credits

3 cc

Prerequisites

Placement at the college level or completion of the appropriate exit-level developmental course(s) with a grade of C or better.

Course Description

In this course, students will utilize multiple means of problem solving through student-centered mathematical exploration. The course is designed to teach students to think more effectively and increase their problem-solving ability through practical application and divergent thinking. This course is appropriate for students in a wide range of disciplines/programs.

Offered

FA, SP, SU.

Distribution

Meets AA General Education Core, Mathematics requirement.

Textbooks:

Thinking Mathematically; Robert F. Blitzer; 9780138274917; 8th; Pearson; 2023

General Education Student Learning Outcomes:

Course Learning Outcomes:

1. → Students will determine efficient means of solving a problem through the investigation of multiple mathematical models.
2. → Students will apply logic in contextual situations to formulate and determine the validity of logical statements using a variety of methods.
3. → Students will apply mathematical concepts visually and contextually to represent, interpret, and reason about geometric figures.
4. → Students will recognize the characteristics of numbers and utilize numbers along with their operations appropriately in context.
5. → Students will analyze and interpret representations of data to draw reasonable conclusions.

Methods of Evaluation

Grade calculation: Your final grade is based on your (1) 4 quizzes, (2) homework, (3) midterm grade and (4) final exam grade.

Points break-down:	quizzes	25%
	homework	25%
	mid-term	25%
	<u>final exam</u>	<u>25%</u>

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, 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 Executive Director, Equal Opportunity Compliance 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.