

MATHEMATICS FOR DATA AND FINANCIAL LITERACY

2022-2023

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Textbook

Financial Algebra: Advanced Algebra with Financial Applications. Gerver, Sgroi.

Course Description

In Mathematics for Data and Financial Literacy, instructional time will emphasize five areas: (1) extending knowledge of ratios, proportions and functions to data and financial contexts; (2) developing understanding of basic economic and accounting principles; (3) determining advantages and disadvantages of credit accounts and short- and long-term loans; (4) developing understanding of planning for the future through investments, insurance and retirement plans and (5) extending knowledge of data analysis to create and evaluate reports and to make predictions.

Curricular content for all subjects must integrate critical-thinking, problem-solving, and workforce-literacy skills; communication, reading, and writing skills; mathematics skills; collaboration skills; contextual and applied-learning skills; technology-literacy skills; information and media-literacy skills; and civic-engagement skills.

Grading

Scale:

- A 100-90
- B 89-80
- C 79-70
- D 69-60
- F 59-0

Grade Weights:

- **Summative:** 40%
- **Extension Activities:** 30%
- **Classwork:** 20%
- **Homework:** 10%

*Assignments are graded to the nearest **tenth**.*

Assignment Grading Policies

My objective is to be clear and direct with what I'm grading, how I'm grading the assignment, and policies associated with each assignment type.

- **Homework:** Homework will be assigned throughout the week and be graded as one cumulative assignment. If n is any given school week, then the homework assignment is due on Tuesday of week $n + 1$.
- **Classwork:** We will have daily assignments that I will collect the same day. If an in class assignment is not finished then I will only accept it the **following** day; otherwise, I **will not accept late work**.

- **Quizzes:** I don't give pop quizzes, instead I conduct quizzes on **Wednesdays**, and quizzes will always be announced.
- **Tests:** As with quizzes, tests will always be announced and will take place on **Fridays**.

Partial Credit

An important skill that's developed in mathematics, outside of rote calculation, is to clearly state a logical progression of ideas that lead to a solution. This is why I grade using partial credit, however, there are some caveats to how partial credit is awarded.

- **Full Credit:** is awarded to complete solutions. A complete solution includes the correct steps for solving a problem, and a correct result.
- **Partial Credit:** is awarded when the student demonstrates they understand the problem, but made an error that lead to an incorrect result.
- **No Credit:** Either the student leaves a question blank, or states an answer (even if it's correct). An assertion is NOT a solution.

Late Work

A part of my philosophy is to encourage and teach accountability, therefore, I do **not** accept late work. Due dates for assignments will always be clearly visible, and the exceptions to this policy are:

- **Excused Absences:** Five days from initial assignment.
- **Unexcused Absences:** Two days from initial assignment.

In the event that a student is legitimately confused, it's imperative that they ask for help. In cases like this I will work with the student and forgive due dates.

Scheduled Days

- **Tuesday:** Homework Due
- **Wednesday:** Quizzes
- **Friday:** Tests

Safety and Security Notice

In case of an emergency, I will not use Band, Remind, or social media to communicate.

Classroom Policies and Expectations

- **Phones** should be put away in class. If I see any students phone out during instruction then they'll be put in the penalty box and returned at the end of the period.
- **Bathroom Passes** will only be issued after the first 15 minutes of the period.
- **Be Respectful** to others in class.
- **Be on time.** Once I close the door, it's your responsibility to get a pass from the front office.
- **Calculators** are generally not permitted on tests unless stated otherwise. In the event a calculator is permitted, only scientific/four function calculators are allowed.

Right To Change Syllabus

I reserve the right to change the syllabus. Usually changes to the syllabus are done in favor of the student, e.g., changes to days in which assignments are due, or when quizzes/tests are scheduled to take place.

Tips For Success

My role is to foster inquiry, and I enjoy thoughtful, analytical questions during class. I am approachable inside and outside of class and want every student to know from day one that if they need help all they need to do is ask; likewise, I don't tolerate heckling in class when someone asks a question. Most importantly, try to have fun and don't let yourself be your own worst critic.

Your First Assignment

Your first assignment is to read over this syllabus with your parent/guardian and have them sign and date below. This will count as a homework assignment, and is therefore due _____.

Name: _____ Date: ____/____/____