

Financial Math

Course Overview and Syllabus

Course Number: 4770

Grade Level: 9–12

Prerequisite Courses: None

Credits: 1.0

Course Description

Connecting practical mathematical concepts to personal and business settings, this yearlong course offers informative and highly useful lessons that challenge students to gain a deeper understanding of financial math. Relevant, project-based learning activities cover stimulating topics such as personal financial planning, budgeting and wise spending, banking, paying taxes, the importance of insurance, long-term investing, buying a house, consumer loans, economic principles, traveling abroad, starting a business, and analyzing business data. Offered as a two-semester course for high school students, this course encourages mastery of math skill sets, including percentages, proportions, data analysis, linear systems, and exponential functions.

Course Objectives

Throughout the course, you will meet the following goals:

- Apply the basics of personal finance to real-world situations
- Understand the rules and regulations of federal and state taxes
- Use statistics to make data-based financial decisions
- Understand economics from a global and small-business standpoint
- Distinguish between various forms of debt and credit and analyze each
- Calculate return on various forms of investments

The course objectives are implemented throughout specific lessons, focusing on using mathematical reasoning to construct arguments and solve real world financially relevant problems.

The lesson objectives are assessed through assignments, quizzes, unit tests, and cumulative exams.

Student Expectations

This course requires the same level of commitment from you as a traditional classroom course. Students are expected to spend approximately five to seven hours per week online on:

- Interactive lessons that include a mixture of instructional videos and tasks
- Assignments in which you apply and extend learning in each lesson
- Assessments, including quizzes, tests, and cumulative exams

Communication

Your teacher will communicate with you regularly through discussions, e-mail, chat, and system announcements, and will provide you with hours of availability, contact policies, and any synchronous attendance requirements. You will also communicate with classmates, either via online tools or face to face, as you collaborate on projects, ask and answer questions in your peer group, and develop your speaking and listening skills.

Grading Policy

You will be graded on the work you do online and the work you submit electronically to your teacher. The weighting for each category of graded activity is listed below.

Grading Category	Weight
Lesson Quizzes	20%
Unit Tests	50%
Cumulative Exams	20%
Assignments	10%
Projects	0%
Additional	0%

Scope and Sequence

When you log into Edgenuity, you can view the entire course map—an interactive scope and sequence of all topics you will study. The units of study are summarized below:

Unit 1: Personal Financial Planning

Unit 2: Income

Unit 3: Budgeting and Wise Spending

Unit 4: Banking

Unit 5: Paying Taxes

Unit 6: The Importance of Insurance

Unit 7: Long-term Investing
Unit 8: Buying a House
Unit 9: Consumer Loans
Unit 10: Consumer Credit
Unit 11: Consumer Debt

Unit 12: Economic Principles
Unit 13: Traveling Abroad
Unit 14: Starting a Business
Unit 15: Analyzing Business Data

Standards Alignment

The course was designed to meet the requirements of the revised Priority Oklahoma Academic Student Skills. The standards aligned to each lesson are available in the student portal in the lesson information panel.

Materials and Technology Requirements

All course materials are provided through the student portal. You will become familiar with them through an orientation video and the student handbook. These resources are available within the Student Organizer, where you can also check the status of your operating system, processor speed, plug-ins and connection speed.

Accessibility

The course is designed for accessibility to all students. The system provides features and accommodations to meet the needs of ELL and students with IEP's, 504 plans, and Section 508. These accommodations include addressing multiple learning styles, accommodations for assessments, video caption/transcripts, read-aloud and translation tools, and many other features/accommodations.