ADLTED 723 Course Outline as of Fall 2023

CATALOG INFORMATION

Dept and Nbr: ADLTED 723   Title: FINANCIAL MATH
Full Title: Financial Mathematics
Last Reviewed: 6/8/2017

Units		Course Hours per Week		Nbr of Weeks	Course Hours Total	
Maximum	0	Lecture Scheduled	0	8	Lecture Scheduled	0
Minimum	0	Lab Scheduled	3.00	4	Lab Scheduled	24.00
		Contact DHR	0		Contact DHR	0
		Contact Total	3.00		Contact Total	24.00
		Non-contact DHR	0		Non-contact DHR	0

Total Out of Class Hours: 0.00   Total Student Learning Hours: 24.00

Title 5 Category: Non-Credit
Grading: Non-Credit Course
Repeatability: 27 - Exempt From Repeat Provisions
Also Listed As:
Formerly:

Catalog Description:
This course applies mathematical computation with decimals, fractions, and percents to personal finances, including budgeting, saving, and planning for future financial security.

Prerequisites/Corequisites:

Recommended Preparation:

Limits on Enrollment:

Schedule of Classes Information:
Description: This course applies mathematical computation with decimals, fractions, and percents to personal finances, including budgeting, saving, and planning for future financial security. (Non-Credit Course)
Prerequisites/Corequisites:
Recommended:
Limits on Enrollment:
Transfer Credit:

ARTICULATION, MAJOR, and CERTIFICATION INFORMATION:

AS Degree: **Area**   Effective: Inactive:
CSU GE: **Transfer Area**   Effective: Inactive:

IGETC: **Transfer Area**   Effective: Inactive:

CSU Transfer: Effective: Inactive:

UC Transfer: Effective: Inactive:

CID:

Certificate/Major Applicable:
Not Certificate/Major Applicable

COURSE CONTENT

Student Learning Outcomes:
At the conclusion of this course, the student should be able to:
1.
Use mathematical calculations with decimals, fractions, and percents to plan personal finances, including budgeting, saving, retirement, insurance, and investments.

Objectives:
At the conclusion of this course, the student should be able to:
1. Perform basic operations of addition, subtraction, multiplication, and division of fractions, decimals, and mixed numbers.
2. Solve problems involving conversions between decimal, fraction, and percent forms.
3. Solve percent problems, including compounded interest.
4. Interpret word problems relating to personal finance and apply appropriate strategies, formulas, and setups to solve them.
5. Identify insurance needs and determine costs based on calculations.
6. Calculate retirement needs and the long-term savings needed to meet those needs.
7. Discuss basic types of investments and calculate the costs and benefits of each.

Topics and Scope:

I. Basic operations and conversions
    A. Fractions
    B. Decimals
    C. Percents
II. Word problem interpretation and strategies for solving
III. Percent problems, including simple and compound interest
IV. Application of mathematics formulas and calculations to financial planning
    A. Personal budget, including savings
    B. Loans and credit cards
    C. Insurance costs
    D. Retirement costs and planning
    E. Investments: costs and benefits

Assignment:

1. Computation exercises (8 - 10)
2. Word problem exercises as related to specific financial topics (8 - 10)
3. In-class activities applying mathematical calculations to everyday financial situations (8 - 10)
4. Group problem-solving exercises (4 - 6)

Methods of Evaluation/Basis of Grade:

Writing: Assessment tools that demonstrate writing skills and/or require students to select, organize and explain ideas in writing.

None	Writing 0 - 0%

Problem Solving: Assessment tools, other than exams, that demonstrate competence in computational or non-computational problem solving skills.

Computation and word problem exercises; in-class application activities	Problem solving 70 - 80%

Skill Demonstrations: All skill-based and physical demonstrations used for assessment purposes including skill performance exams.

None	Skill Demonstrations 0 - 0%

Exams: All forms of formal testing, other than skill performance exams.

None	Exams 0 - 0%

Other: Includes any assessment tools that do not logically fit into the above categories.

Attendance and participation; group problem-solving	Other Category 20 - 30%

Representative Textbooks and Materials:
Instructor prepared materials