

CATALOG INFORMATION

Dept and Nbr: ADLTED 724 Title: BUSINESS MATH EXCEL
Full Title: Business Mathematics Using Excel
Last Reviewed: 3/13/2017

Units		Course Hours per Week		Nbr of Weeks	Course Hours Total	
Maximum	0	Lecture Scheduled	0	6	Lecture Scheduled	0
Minimum	0	Lab Scheduled	3.00	3	Lab Scheduled	18.00
		Contact DHR	0		Contact DHR	0
		Contact Total	3.00		Contact Total	18.00
		Non-contact DHR	0		Non-contact DHR	0

Total Out of Class Hours: 0.00

Total Student Learning Hours: 18.00

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

Catalog Description:
This course presents basic math as applied to business solutions using Excel including: banking, pricing, cash and trade discounts, payroll, and calculating interest and depreciation.

Prerequisites/Corequisites:

Recommended Preparation:

Limits on Enrollment:

Schedule of Classes Information:
Description: This course presents basic math as applied to business solutions using Excel including: banking, pricing, cash and trade discounts, payroll, and calculating interest and depreciation. (Non-Credit Course)
Prerequisites/Corequisites:
Recommended:
Limits on Enrollment:
Transfer Credit:

Repeatability: Exempt From Repeat Provisions

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:

Certificate Applicable Course

COURSE CONTENT

Student Learning Outcomes:

At the conclusion of this course, the student should be able to:

1. Apply basic principles of mathematics in calculations for checking account debit/credit transactions, cash and trade discounts, payroll applications, product pricing for profitability, simple interest and depreciation using Excel as a tool.

Objectives:

At the conclusion of this course, the student should be able to effectively use Excel to make a variety of business calculations:

1. Fraction and decimal problems
2. Equivalents and conversion
3. Percentages as they relate to discounts
4. Checking account transactions
5. Payroll transactions
6. Cash and trade discounts
7. Pricing products for profitability
8. Simple Interest
9. Depreciation

Topics and Scope:

- I. Overview of Excel for Business Applications
- II. Calculating Equivalencies and Percentages
 - A. Fractions
 - B. Equivalents and Conversions
 - C. Percentages
- III. Calculating Payroll Problems
 - A. Time-basis payment and payroll deductions
 - B. Piecework and commission methods of payment
- IV. Calculating Cash and Trade Discounts
 - A. Purchase orders and invoices

- B. Cash discounts
- C. Trade discounts
- V. Calculating Pricing
 - A. Retail price, cost, and markup
 - B. Profit and loss
- VI. Calculating Depreciation
- VII. Calculating Simple Interest

Assignment:

1. Calculate number/factor problems as they relate to specific business topics such as payroll, discounts, and depreciation using Excel (15 - 20 exercises)
2. Calculate word problems as related to specific business topics such as payroll, discounts, and depreciation using Excel (15 - 20 exercises)
3. In-class activities applying mathematical calculations to everyday business situations using Excel (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.

In-class computational analysis as related to business situations: computation and word problem exercises

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

