Virginia Western Community College
BUS 125
Applied Business Mathematics

Prerequisites
none

Course Description
Applies mathematical operations to business process and problems such as wages and payroll, sales and property taxes, checkbook records and bank reconciliations, depreciation, overhead, overhead, distribution of profit and loss in partnerships, distribution of corporate dividends, commercial discounts, markup, markdown, simple interest, present value, bank discount notes, multiple payment plans, compound interest annuities, sinking funds and amortization. 3 credit hours per week.

Semester Credits: 3 Lecture Hours: 3 Lab/Clinical/Internship Hours: 0

Required Materials

Textbook:

Textbook:	Practical Business Math Procedures. **Twelth Edition**
Authors:	Jeffrey Slater
Publisher:	McGraw-Hill Irwin
Website:	www.mhhe.com/slater12e
Copyright:	2017
ISBN:	

Other Required Materials:
- Connect code
- Financial calculator: TI BAII Plus or equivalent

Course Outcomes

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

The following content goals will be addressed by the course. These goals are directly related to the performance objectives. By the conclusion of this course, students will be able to:

1. Understand Applications of percents in business applications
2. Apply discounts (trade and cash) and mark-ups and mark downs
3. Understand interest: simple and compound
4. Apply time value of money series: including PV, FV, annuities and mortgages
5. Introduce Business statistics

Topical Description

Chapter 5   Solving for the Unknown: A How-to-Approach for Solving Equations
Chapter 6   Percent's and Their Applications

Chapter 7   Discounts: Trade and Cash
Chapter 8   Markups and Markdowns; Perishables and Breakeven Analysis

Chapter 10   Simple Interest
Chapter 11   Promissory Notes, Simple Discount Notes, and the Discount Process

Chapter 12   Compound Interest and Present Value
Chapter 13   Annuities and Sinking Funds

Chapter 15   The Cost of Home Ownership
Chapter 4   Banking
Chapter 22   Business Statistics

Other possible chapters to be covered and included on the semester tests:
Chapter 9   Payroll
Chapter 19   Sales, Excise, and Property Taxes
Chapter 20   Life, Fire, and Auto Insurance

Notes to Instructors

1. All topics should be covered
2. Optional topics are available if time permits
3. Cumulative departmental final exam is required