

ITAM

Information Technology &
Administrative Management

Central Washington University

ADMG 271 Business Mathematics
Applications

Course Syllabus - 4 credits



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Course Description: Business and merchandising mathematics applications

Course Objective: Students must have solid, practical, and up-to-date knowledge of day-to-day mathematical topics to function in their daily lives. The outcomes of this course are consistent with the University's mission, "by teaching we learn," the college's mission, "to prepare enlightened leaders for the professions and for society," and a portion of the department's mission, "Providing students with a caring, creative, supportive, and student-centered learning environment."

Learning Objectives:

1. Demonstrate an understanding of percents.
2. Demonstrate an understanding of payroll and taxes
3. Demonstrate an understanding of Math of Buying.
4. Demonstrate an understanding of markups as used on cost, selling price, and spoilage.
5. Demonstrate knowledge of computing simple and compound interest.
6. Demonstrate an understanding of business and consumer credit.
7. Demonstrate an understand of Mortgages
8. Demonstrate an understanding of basic statistics.

Learner Outcomes:

LEARNER OUTCOMES	PERFORMANCE INDICATORS
Demonstrate an understanding of percents.	The student will complete various types of percent problems.
Demonstrate an understanding of payroll and taxes	The student will complete problems involving all aspects of payroll and taxes.
Demonstrate an understanding of Math of Buying.	The student will complete problems involving trade and cash discounts.
Demonstrate an understanding of markups as used on cost, selling price, and spoilage.	The student will complete problems involving the use of markups in business.
Demonstrate knowledge of computing simple and compound interest.	The student will complete problems involving computation of simple and compound interest.
Demonstrate an understanding of business and	The student will complete problems involving credit,

consumer credit.	installment loans, early payoff of loans, and home loans.
Demonstrate an understand of Mortgages	The student will complete problems involving computation of problems dealing with mortgages.
Demonstrate an understanding of basic statistics.	The student will complete problems involving the interpretation of charts and graphs, creating frequency distribution tables, and histograms.

Textbook and Other Required Materials:

Please check with the instructor.