MINNESOTA WEST COMMUNITY & TECHNICAL COLLEGE

COURSE OUTLINE

DEPT. Business COURSE NO. 1104

NUMBER OF CREDITS: 3

COURSE TITLE: Business Mathematics

CATALOG DESCRIPTION: This course emphasizes mathematical concepts through practical applications in business situations covering percentages in business (mark-up and discounts), payroll and taxes, finance charges, inventory and depreciation.

AUDIENCE This course is open to all students.

FULFILLS MN TRANSFER CURRICULUM AREA(S)

PREREQUISITES OR NECESSARY ENTRY SKILLS/KNOWLEDGE: None

LENGTH OF COURSE The course is one semester.

THIS COURSE IS USUALLY OFFERED:

Every other year fall spring summer undetermined

Four goals are emphasized in course at Minnesota West Community & Technical College:

1) ACADEMIC CONTENT:

   The text is divided into chapters. Each chapter is divided into sections, and each section is divided into lesson. The lessons open with real life problems or applications in business. Business Mathematics is a relevant course for any student in all areas of study.

2) THINKING SKILLS:

   Problem solving techniques in Business Mathematics will encourage students to improve their thinking skills. Methods used will result in discovering ways of thinking. Mathematics will become relevant and interesting to the student.

3) COMMUNICATIONS SKILLS:
As students learn to speak and write about mathematics, they develop mathematical power and become better prepared to use mathematics beyond the classroom.

4) HUMAN DIVERSITY:

Business Mathematics will broaden a student’s perspective of business and people. Every student will have an opportunity achieve their potential.

TOPICS TO BE COVERED:

Introduction to the Course

Chapter 1 Whole Number Operations

Chapter 2 Fractions and Decimals

Chapter 3 Problem Solving with Equations

Chapter 4 Percents

Chapter 5 Statistics in Business

Chapter 6 Payroll

Chapter 7 Banking

Chapter 8 Compound Interest and Annuities

Chapter 9 Stocks and Bonds

Chapter 10 Insurance and Taxes

Chapter 11 Mark up and Mark down

Chapter 12 Inventory

Chapter 13 Depreciation

Chapter 14 Financial Statements

Chapter 15 International Business
LIST OF EXPECTED COURSE OUTCOMES: The student is required to display an understanding of various topics covered throughout the course. Student will demonstrate their proficiency in the topics listed above.

LEARNING/TEACHING TECHNIQUES used in the course are:

Collaborative Learning   Problem Solving
Student Presentations   Interactive Lectures
Creative Projects   Individual Coaching
Lecture   Films/Videos/Slides
Demonstrations   Other (describe below)
Lab

ASSIGNMENTS AND ASSESSMENTS FOR THIS CLASS INCLUDE:

Reading   Tests   Individual Projects
Oral Presentations   Worksheets   Collaborative Projects
Textbook Problems   Papers   Portfolio
Group Problems   Term Paper
Other (describe below)

EXPECTED STUDENT LEARNING OUTCOMES: The student will gain knowledge in the general aspects of business mathematics. They will become proficient in number operations, percents, statistics, problem-solving, annuities, insurance, and financial statements.

Veteran Services: Minnesota West is dedicated to assisting veterans and eligible family members in achieving their educational goals efficiently. Active duty and reserve/guard military members should advise their instructor of all regularly scheduled military appointments and duties that conflict with scheduled course requirements. Instructors will make every effort to work with the student to identify adjusted timelines. If you are a veteran, please contact the Minnesota West Veterans Service Office.
To receive reasonable accommodations for a documented disability, please contact the campus Student Services Advisor or campus Disability Coordinator as arrangements must be made in advance. In addition, students are encouraged to notify their instructor.

This document is available in alternative formats to individuals with disabilities by contacting the Student Services Advisor or by calling 800-658-2330 or Minnesota Relay Service at 800-627-3529 or by using your preferred relay service.

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