SOUTHERN STATE COMMUNITY COLLEGE

I. COURSE TITLE: Business Math

   COURSE NUMBER: 115
   CATALOG PREFIX: MATH

II. PREREQUISITES:

   One year high school Algebra, Math 101 or placement by testing.

III. CREDIT HOURS: 3

     LABORATORY HOURS: 
     LECTURE HOURS: 3
     OBSERVATION HOURS: 

IV. COURSE DESCRIPTION:

   This course is designed to give the student experience with problem solving in
   mathematics related to business. Arithmetic and basic algebra skills are needed
   prior to entry.

V. ADOPTED TEXT (S):

   Business Mathematics
   by: Cheryl Cleaves, Margie Hobbs
   Fifth edition, 1999
   ISBN# 0-13-080987
   Prentice Hall

VI. COURSE OBJECTIVES:

   At the completion of this course the student will be able to:

   Write formulas to represent an idea.
   Use equations to solve problems.
   Read and construct a bar, circle, or line graph.
   Find mean and median.
   Calculate a checkbook balance.
   Reconcile a bank statement.
   Calculate gross pay.
Calculate federal withholding, FICA, and medicare.
Calculate employers total deposit for withholding, FICA, and medicare.
Calculate single trade and series trade discounts.
Calculate cash discounts.
Solve markup and markdown problems.
Computer simple interest.
Compute the maturity value and maturity date of a note.
Calculate the discount and proceeds of a note.
Find future value and present value of compound interest.
Calculate effective interest rates.
Demonstrate competency in at least one of these areas of business applications:
(a) business and consumer loans
(b) inventory
(c) depreciation
(d) taxes and insurance

VII. GRADING:

Grading will follow policy in the catalog.

VIII. COURSE OUTLINE:

Chapter 1: Problem Solving with Whole Numbers and Decimals
Review as needed

Chapter 2: Problem Solving with Fractions and Percents
Review as needed

Chapter 3: Problem Solving with Formulas and Equations
Sections 3.1, 3.2, 3.3

Chapter 4: Statistics, Tables, and Graphs
Sections 4.1, 4.2

Chapter 5: Bank Records
Sections 5.1, 5.2

Chapter 6: Payroll
Sections 6.1, 6.2, 6.3

Chapter 7: Trade & Cash Discounts
Section 7.1, 7.2, 7.3

Chapter 8: Markup and Markdown
Sections 8.1, 8.2, 8.3
Chapter 9: Simple Interest and Simple Discount
Sections 9.1, 9.2

Chapter 10: Compound Interest, Future Value, and Present Value
Sections 10.1, 10.2

The last objective can be satisfied by requiring work in one of these chapters:
- Chapter 11 Annuities and Sinking Funds
- Chapter 12 Consumer Credit
- Chapter 13 Depreciation
- Chapter 14 Inventory, Turnover, and Overhead
- Chapter 15 Financial Statements
- Chapter 16 Insurance
- Chapter 17 Taxes
- Chapter 18 Stocks and Bonds

IX. OTHER REQUIRED BOOKS AND MATERIALS:

A calculator is required. Computer and other supplemental materials are available in the Learning Resource Center.

X. EVALUATION:

Instructor will distribute the method of evaluation to students.

XI. SPECIFIC MANAGEMENT REQUIREMENTS:

Assignments will be evaluated according to instructor directives. It is assumed that students are familiar with fractions, decimals, percents, and simple equations. Students who are unable to master this material after a brief review should consider dropping the course and enrolling in Basic Math 101.