BUS 106 Business Mathematics

Course Description
Practical mathematical applications with emphasis on solving business problems. Reviews fundamental processes including percentages, fractions, decimals, percents, discounts, payroll, inventory, depreciation, cash and trade discounts, markup and markdowns, simple and compounded interests, present value, annuities, stocks and bonds.

Course prepared by: Business Studies Department Oct. 2001

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Purpose of Course: Degree Requirement X
Degree Elective
Certification
Developmental
Other

Prerequisite(s) Math 96 or Placement Test

Signature, Curriculum and Assessment Committee Chairperson

Signature, Dean of Academic Affairs

Signature, Vice President for Academic and Student Affair

Last date reviewed or revised: __________________________
I. Business Mathematics

II. Course Objectives

A. General Outcomes
   Students who complete this course will:
   1. Identify business mathematical problems (BS 1)
   2. Operate a calculator using the touch method (BS 1)
   3. Explain personal finances (BS 2)
   4. Read business graphs and charts (BS 3)
   5. Utilize business skills for real word problem solving (BS 5)

B. Student learning outcomes
   Upon completion of this course, the student will be able to:
   1. Solve business math problems.
   2. Use a calculator to determine present value, decimal equivalents of fraction, percents, discounts and interest (simple and compound).
   3. Compute gross pay, net pay, and related deductions related to payroll in the business to create documents and reports.
   4. Interpret business graphs and charts.
   5. Apply basic quantitative and spread-sheeting skills for problem solving to support a career in business.

III. Course Content
   This course is designed to provide a comprehensive introduction to the concept and application of mathematics to personal and commercial application founds in a typical business environment.

   1. Basic math Function
   2. Fractions
   3. Percent
   4. Bank Services
   5. Payroll
   6. Taxes and Insurance
   7. Purchasing Merchandise
   8. Markup and markdown
   9. Interest
   10. Consumer credit and Mortgages
   11. Annuities, stocks, and Bonds
   12. Depreciation
   13. Financial Statement

IV. Methods of Instruction
   1. Lecturer
   2. Small group work
   3. Discussion
   4. Readings
   5. Exercises
   6. Oral presentation
V. **Equipment and Materials**
   1. Desktop
   2. Electronic calculator
   3. Overhead Projector
   4. Handouts

VI. **Suggested Methods of Evaluation**
   1. Participation
   2. Assignments
   3. Quizzes
   4. Oral presentation
   5. Examinations

Letter grades will be assigned per CMI Grading System.
Course History Summary

Course Number: BU 105 changed to BU 106 Business (3cr)

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