

**RARITAN VALLEY COMMUNITY COLLEGE
ACADEMIC COURSE OUTLINE**

BUSINESS MATH BUSI 161

I. Basic Course Information

- A. Course Number and Title: BUSI 161 Business Math
- B. New or Modified Course: Modified
- C. Date of Proposal: Semester: Spring Year: 2023
- D. Effective Term: Fall 2023
- E. Sponsoring Department: Business & Public Service
- F. Semester Credit Hours: 3.0
- G. Weekly Contact Hours: 3.0 Lecture: 3.0
 Laboratory:
 Out of class student work per week: 6.0
- H. Prerequisite (s):
 Corequisite (s):
 Prerequisite (s) and Corequisite (s):
- I. Additional Fees: None
- J. Name and E-Mail Address of Department Chair and Divisional Dean at time of approval:
- Prof. Tracy Rimple tracy.rimple@raritanval.edu
 Dean Patrice Marks patrice.marks@raritanval.edu

II. Catalog Description

This course introduces students to the mathematical concepts and applications that are common in business. Areas of study include decimals, equations, percentages, discounts and pricing, simple and compound interest, time value of money, depreciation, inventory, credit, and loans.

III. Statement of Course Need

- A. This course provides the mathematical foundation for business career programs. Emphasis is placed on the application of fundamental mathematic principles to business.
- B. There is no lab component.
- C. This course is not specifically designed for transfer, but generally transfers as a free elective, dependent on transfer institution.

IV. Place of Course in College Curriculum

- A. Free Elective
- B. Business Elective
- C. This course meets a program requirement for the Accounting Information Systems AAS, Accounting AAS, Business Management AAS (all options), Paralegal Studies AAS, and the Bookkeeping Certificate.
- D. To see course transferability: a) for New Jersey schools, go to the NJ Transfer website, www.njtransfer.org; b) for all other colleges and universities, go to the individual websites.

V. Outline of Course Content

- A. Whole Numbers and Integers
- B. Fractions
- C. Decimals
- D. Banking
- E. Solving Equations
- F. Percents
- G. Business Statistics
- H. Trade and Cash Discounts
- I. Markup and Markdown
- J. Payroll
- K. Simple Interest
- L. Consumer Credit
- M. Compound Interest, Future Value, and Present Value
- N. Annuities and Sinking Funds
- O. Investments
- P. Mortgages
- Q. Depreciation
- R. Inventory
- S. Insurance
- T. Taxes
- U. Financial Statements

VI. A. Course Learning Outcomes:

At the completion of the course, students will be able to:

1. Use appropriate mathematical concepts and operations to solve business problems. (GE-2)
2. Solve for the unknown under various circumstances. (GE-2)
3. Interpret data to solve business problems. (GE-2)

B. Assessment Instruments

1. Exams
2. Quizzes
3. Class Participation
4. Assignments

VII. Grade Determinants

- A. Exams
- B. Quizzes
- C. Class Participation
- D. Assignments

Modes of teaching:

- A. lecture/discussion
- B. small-group work
- C. computer-assisted instruction
- D. guest speakers

VIII. Texts and Materials

Textbook:

Author: Cleaves, Hobbs, and Noble
Title: Business Math with MyMathLab
Publisher: Pearson
Edition: Latest Edition

(Please Note: The course outline is intended only as a guide to course content and resources. Do not purchase textbooks based on this outline. The RVCC Bookstore is the sole resource for the most up-to-date information about textbooks.)

IX. Resources

No special resources will be needed for this class.

X. Honors Option: NA

