

**Department Master Syllabus
Camden County College
Blackwood, New Jersey**

Course Title: Business Math II

Course Number: BMT-102

Department/Program Affiliation: Business Management

Date of Review: 11/2017

(This Department Master Syllabus has been examined by the program/department faculty members and it is decided that no revision is necessary at this time.)

Date of Last Revision: 4/10/2008

December 2009

March 2011

(This Department Master Syllabus has been examined by the program/department faculty members and it is decided a change requiring a revision is necessary at this time.)

N.B. A change to the course materials alone (textbooks and/or supplementary materials) may not constitute a revision. Any other change to the items listed below on this form is considered a revision and requires approval by the program faculty at a Program/Department Meeting and by the division at a Chairs and Coordinator Meeting.

Credits: 3

Contact Hours: Lecture 3 Lab 0 Other _____

Prerequisites: BMT-101

Co-requisites: None

Course Description: A continuation of Business Mathematics I, this course uses linear equations on a basis of solving more difficult mathematical problems in retail management, finance, and accounting. This course may not be accepted for transfer purposes at four-year institutions.

Course Student Learning Outcomes: Cognitive, Psychomotor, Affective Domains)

Upon completion of this course, the student will be able to:

- Calculate interest and annuities as assessed by tests, quizzes, class participation, projects, homework assignments and a comprehensive final exam.
- Calculate depreciation and inventory turnover as assessed by tests, quizzes, class participation, projects, homework assignments and a comprehensive final exam.
- Calculate stock and bond prices as assessed by tests, quizzes, class participation, projects, homework assignments and a comprehensive final exam.

- Determine how an individual is deemed credit worthy for mortgages as assessed by tests, quizzes, class participation, projects, homework assignments and a comprehensive final exam.

Course Outline:

- Calculate compound interest (future value).
- Determine the present value of an ordinary annuity.
- Determine the cost of installment buying, rule of 78 and revolving charge and credit card accounts.
- Read, analyze and interpret financial reports.
- Calculate depreciation using straight-line method, declining balance method and apply accelerated cost recovery system.
- Determine inventory using weighted average FIFO; LIFO.
- Calculate inventory turnover and distribution overhead.
- Determine sales, excise and property tax.
- Calculate fire, auto and life insurance
- Read and calculate stock, bond prices.
- Use an amortization schedule to break down monthly payments of mortgages.

Course Activities: Instructional Methods

- A. Lecture
- B. Class discussion
- C. Presentation of review questions
- D. Discussion of problems at end of chapters

Assessment of Student Learning Outcomes: Instructional Methods

- A. Lecture
- B. Class discussion
- C. Presentation of review questions
- D. Discussion of problems at end of chapters

Course Materials:

Textbook(s): Practical Business Math, **Current edition**

Author – Slater, Publisher – McGraw Hill