

Montgomery County Community College  
ACC 110  
Business Mathematics  
3-3-0

**COURSE DESCRIPTION:**

This course is designed for business non-transfer students. Students will expand literacy and skills in business mathematical topics such as bank reconciliations, equations, trade and cash discounts, simple and compound interest, present value, mortgages, stocks, and business statistics.

**REQUISITES:***Previous Course Requirements*

MAT 080 - Fundamentals of Mathematics, or MAT 011 - Beginning Algebra, or MAT 011B - Beginning Algebra with Review of Arithmetic with a minimum grade of C within 5 years

*Concurrent Course Requirements*

None

LEARNING OUTCOMES Upon successful completion of this course, the student will be able to:	LEARNING ACTIVITIES	EVALUATION METHODS
1. Reconcile bank statements using an account register.	Assigned Readings Lecture and Discussion Online Textbook Learning Resources Demonstration and Practice	Assignments Examinations
2. Utilize percentages in business applications and analysis.	Assigned Readings Lecture and Discussion Online Textbook Learning Resources Demonstration and Practice	Assignments Examinations

3. Solve consumer math problems involving ratios, proportions, simple and compound interest, installment buying and mortgages.	Assigned Readings Lecture and Discussion Online Textbook Learning Resources Demonstration and Practice	Assignments Written Examinations
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LEARNING OUTCOMES	LEARNING ACTIVITIES	EVALUATION METHODS
4. Use measures of central tendency and dispersion.	Assigned Readings Lecture and Discussion Online Textbook Learning Resources Demonstration and Practice	Assignments Examinations
5. Evaluate investment alternatives including stocks and mutual funds, calculating return on investment.	Assigned Readings Lecture and Discussion Online Textbook Learning Resources Demonstration and Practice	Assignments Examinations

At the conclusion of each semester/session, assessment of the learning outcomes will be completed by course faculty using the listed evaluation method(s). Aggregated results will be submitted to the Associate Vice President of Academic Affairs. The benchmark for each learning outcome is that *70% of students will meet or exceed outcome criteria.*

#### SEQUENCE OF TOPICS:

1. Bank reconciliations
2. Equations to solve business problems
3. Percentages in business applications
4. Statistical graphs, measures of central tendency and measures of dispersion.
5. Trade and cash discounts
6. Markup, Markdowns, cost and selling price calculations
7. Simple Interest, Compound Interest, Promissory Notes, Present Value
8. Stock Investments
9. Mortgages

## LEARNING MATERIALS

Textbook:

Slater. (2019). *Practical Business Math Procedures* (13<sup>th</sup> ed). McGraw Hill.

Access to the online textbook learning system, Connect (McGraw Hill), is required for this course and can be used in campus computer labs.

A basic calculator is required for this course.

Other learning materials may be required and made available directly to the student and/or via the College's Libraries and/or course management system.

## COURSE APPROVAL:

Prepared by: Carl Essig	Date: 3/2005
Revised by: Mary Zajac	Date: 3/2009
VPAA/Provost Compliance Verification: Dr. John C. Flynn, Jr.	Date: 9/11/2009

Revised by: Heather Thomas	Date: 2/2013
VPAA/Provost or designee Compliance Verification: Victoria L. Bastecki-Perez, Ed.D.	Date: 3/15/2013

Revised by: Heather Thomas	Date: 11/19/2013
VPAA/Provost or designee Compliance Verification:	Date: 11/21/2013

Revised by: Heather Thomas	Date: 6/16/2014
VPAA/Provost or designee Compliance Verification:	Date: 6/17/2014

Revised by: Karen Green	Date: 10/2014
VPAA/Provost Compliance Verification: Victoria L. Bastecki-Perez, Ed.D	Date: 2/5/2015

Revised by: Debbie Dalrymple	Date: 1/20/2018
VPAA/Provost or designee Compliance Verification:	Date: 1/30/2018



Revised by: Heather Thomas	Date: 6/15/2020
Provost or designee Compliance Verification:	Date: 7/31/2020

*This course is consistent with Montgomery County Community College's mission. It was developed, approved and will be delivered in full compliance with the policies and procedures established by the College.*