

VALENCIA COLLEGE

Division of Business

MTB 1103 – Practical Business Math Procedures (CRN 20209)

Class Policies & Course Syllabus ~ Spring, 2024

<https://connect.mheducation.com/class/c-smith-mtb-1103-business-math-20209-spring-2024>

COURSE DESCRIPTION:

This course teaches students the fundamentals of making business decisions based on the answers to number questions, and how numbers determine most of the business decisions of companies.

CREDIT HOURS: 3

PREREQUISITES: None

CLASS MEETING ROOM: West Campus, Building One, Room 233

DAY/TIME: Tuesday @ 10:00 a.m. – 11:15 a.m.

PROFESSOR: Dr. Calandria Smith, Ph.D.

PHONE: 407-222-6562

EMAIL: csmith224@valenciacollege.edu

TOPICS/AREAS COVERED

1. Whole Numbers: How to Dissect and Solve Word Problems
2. Fractions
3. Decimals
4. Banking
5. Solving for the Unknown: A How -to Approach for Solving Equations
6. Percents and Their Applications
7. Discounts: Trade and Cash
8. Markups and markdowns: Perishables and Breakeven Analysis
9. Payroll
10. Simple Interest
11. Promissory Notes, Simple Discount Notes, and Discount Process
12. Compound Interest and Payment Value
13. Annuities and Sinking Funds
14. Installment Buying, Rule of 78, and Revolving Charge Credit Cards
15. The Cost of Home Ownership
16. How to Read, Analyze, and Interpret Financial Reports
17. Depreciation
18. Inventory and Overhead
19. Sales, Excise, and Property Taxes
20. Life, Fire, and Auto Insurance
21. Stocks, Bonds, and Mutual Funds
22. Business Statistics

These may be covered as discrete topics and/or integrated with other topic areas in an order at the discretion of the professor. These and other topics may be expanded or elaborated at the discretion of the individual professor and is in no way intended to be comprehensive or all-inclusive.

Major Learning Outcomes (MLO) and assessment of each:

- Students will be able to identify, calculate, interpret, and explain the concepts of trade discounts and cash discounts (Discounts: Trade and Cash). This MLO will be assessed through locally developed word problems and multiple-choice question exams.
- Students will be able to identify and calculate markups based on cost, markups based on selling price, markdowns and perishables, and breakeven analysis (Markups and Markdowns: Perishable and Breakeven Analysis). This MLO will be assessed through locally developed word problems and multiple-choice question exams.
- Students will be able to define, compare, contrast, calculate, prepare and explain various types of employees' gross pay and payroll deductions (Payroll). This MLO will be assessed through locally developed word problems, multiple choice question exam, and classroom discussion.
- Students will be able to calculate and explain simple interest maturity value (Simple Interest). This MLO will be assessed through locally developed word problems, multiple choice question exam, and classroom discussion.
- Students will be able to identify, differentiate, calculate, and explain interest-bearing and noninterest-bearing notes (Promissory Notes, Simple Discount Notes, and the Discount Process). This MLO will be assessed through locally developed word problems, multiple choice question exam, and classroom discussion.
- Students will be able to identify, compare, calculate and explain compound interest future value and present value (Compound Interest and Present Value). This MLO will be assessed through locally developed word problems, multiple choice question exam, and classroom discussion.

CAMPUS RESOURCES:

West Campus Bookstore:

Campus Store/Customer Service will be open Monday – Friday, 8 a.m. – 6 p.m.

Campus store window pick-up will be available Monday – Saturday, 8 a.m. – 6 p.m.

Visit the [Valencia Campus Store website](#) for more information and online ordering.

407-299-5000, extension 5310

Learning Support Services provides students with academic support through distance tutoring, face to face tutoring at the campuses, writing consultations, library services, and resources. Tutoring is offered in most academic disciplines including math, science, foreign languages, English for academic purposes (EAP), computer programming and writing assistance for any course. Assistance with library research can be accessed online through Atlas or the tutoring LibGuide. For more information on how to access tutoring and library research assistance,

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please visit the college-wide Learning Support Services LibGuide at: www.valenciacollege.edu/tutoring

Please note: Brainfuse is our new 24/7 online tutoring and learning hub, which is available to all of Valencia's students. This service is best used as a back-up to Valencia's Distance Tutoring service, not as a replacement. Brainfuse is accessible through Canvas or by visiting www.valenciacollege.edu/tutoring

Academic Advising:

- Call: 407-582-1507
- Email: advising@valenciacollege.edu
- Visit <https://valenciacollege.edu/students/student-services/support.php> for links and information on how to get connected to each of the following:
 - **Virtual Answer Center or Virtual Advising Center** (online Zoom access): Monday-Thursday 10a-7p, Fridays 9a-5p; Virtual Answer Center only – Saturdays 9a-1p
 - **Make an appointment** (in person): Monday-Thursday 8a-5p, Fridays 9a-5p (East, West, and OSC only), Fridays - virtual only (DTC, LNC, WP, PNC).

Enrollment Services:

- (phone access): Monday-Thursday 8a-6p and Fridays 9a-5p (407-582-1507)

Financial Aid:

Contact FinAidOffice@valenciacollege.edu for their financial aid questions, as well as for potential assistance with financial support

EDUCATIONAL MATERIALS:

Required Materials: The required text for this course is [Practical Business Math Procedures, 13th Edition by Slater & Wittry. Publisher: McGraw-Hill Irwin, Boston, MA], and we will also be making use of McGraw-Hill Connect. Be sure to get the Business Math Handbook that accompanies the 13th Edition textbook. Please follow the instructions below to register your ***Connect Access Code***. <https://connect.mheducation.com/class/c-smith-mtb-1103-business-math-20218>

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1. Log into your Connect course section and navigate to the Content folder where assignments are located.
2. Click on the first assignment and it will begin the registration process.
3. Enter your e-mail address to verify if there is an existing Connect account. It will ask for the Connect password (if a new account, what is entered for the password will be your new password).
4. Once account is located or created, it will ask for registration code. You may enter the registration code you purchased online or click the courtesy access to register for a 14-day free trial.
5. The final step is to click the go to Connect section and finalized by returning to Blackboard. Congratulations! You should now be properly registered to your course section.

If you get stuck or experience any difficulties, you can call 1(800) 331-5094 for help.

Important Dates

1. Drop/refund Deadline: January 16, 2024 at 11:59 m.
2. No Show Reporting Period: January 18, 2024 to January 27, 2024
3. Withdrawal Deadline - "W" grade: March 15, 2024 at 11:59 m.
4. Graduation Application Deadline: February 2, 2024
5. Final Grades Viewable in ATLAS: April 30, 2024
6. College Closed (No School): Jan-15 (Martin Luther King Day), Feb-9 (Learning Day), Mar-18 – 22 (Spring Break)

EVALUATION:

Assignments and Assessments:

There will be six assignments/assessments plus the final assignment/assessment during the term. These assignments/assessments will be comprised of word problems and multiple-choice questions. There will be homework assignments and unannounced quizzes. (Late submissions will not be accepted).

Grading Policy:

Exams (4)
Final Exam
Homework Assignments
Quizzes

Points:

30
30
20
20

Where:

(Connect)
(Connect)
(Connect)
(Connect)

Total

100

The sum of these will determine a letter grade as follows:

90 - 100 A
80 - 89.9 B
70 - 79.9 C
60 - 69.9 D
0 - 59.9 F

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All Connect assignments/assessments must be completed as assigned and during the week when the assigned chapters are covered. All Connect assignments/assessments for that week are due by 11:59 pm Sunday night of that week. You will have two attempts for each Connect assignments/assessments, and the higher score will be recorded as your earned grade.

Homework assignments will be assigned after the assigned chapters are covered and must be turned in during the next class meeting. (Late assignments will not be accepted).

Withdrawal Policy:

A student is permitted to withdraw from a class on or before the withdrawal deadline (3/15/2024) as published in the College calendar. A student is not permitted to withdraw from a class after the withdrawal deadline. Prior to the beginning of the final exam period, the professor is permitted to withdraw a student from the class for violation of the professor's attendance policy. Written notification will be provided to the student prior to withdrawal.

A student who withdraws from a class before the withdrawal deadline will receive a grade of "W." A student who is withdrawn by a professor will receive a grade of "W." A student who is withdrawn for administrative reasons at any time will receive a grade of "W" or other grade as determined in consultation with the professor. Any student who withdraws or is withdrawn from a class during a third or subsequent attempt in the same course will be assigned a grade of "F".

Final course grades of "A", "B", "C", "D", or "F" shall be assigned based upon the student's academic achievement upon the completion of all course work, including the required final examination. "A student who fails to take the required final examination may receive a final course grade earned, unless the professor elects to assign the student a grade of "I" or as otherwise addressed in the Professor's course syllabus." Please note that the final exam is worth 30% of your overall total grade for the course. Therefore, if a student chooses not to take the final exam, the student will receive a "0" on the exam. The student will then receive a final course grade based on the cumulative points earned on all other assessments as specified in the evaluation section on the previous page of the syllabus.

"No Show" Policy

Class attendance is required beginning with the first class meeting. If you do not attend the first class meeting, you may be withdrawn from the class as a "no show." Students who are not actively participating in an online class and/or do not submit the first assignment by the scheduled due date must be withdrawn by the instructor at the end of the first week as a "no show". If you are withdrawn as a "no show," you will be financially responsible for the class and a final grade of "WN" will appear on your transcript for the course.

o Note to International Students (F-1 or J-1 Visa)

Please be advised that withdrawal from this course due to attendance may result in the termination of your visa status if you fall below the full-time enrollment requirement of 12 credit hours. Contact Valencia's [International Student Services](#) office for more information.

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o **Statement of Support for Students with Food/Housing/Financial Needs**

Any student who has difficulty accessing sufficient food to eat, or who lacks a safe and stable place to live, and believes this may affect his or her performance in the course, is urged to meet with a Counselor in the [Advising Center](#) for information about resources that may be available from the college or community.

CLASSROOM POLICIES:

1. Valencia's attendance policy is that a student will be present for all class meetings. After two absences, a student will receive an excessive absence notice and must schedule a conference with the instructor immediately. A student will be withdrawn after four absences (excused or unexcused). Continual tardiness will be viewed as absences and treated as such. Two occurrences of being tardy will equal one absence. A student coming in more than 15 minutes late will be counted as absent for that day.
2. A student is responsible for material covered during absences. Make-ups for scheduled tests must be requested before the test date and are subject to approval of the instructor. Unscheduled tests cannot be made up.
3. There will be no eating or drinking in the classroom. Class begins at a scheduled time and is over when the instructor dismisses class. Leaving early without prior permission will result in a class-work grade of zero and an absent.
4. Students must do their own work; there are no exceptions. Students who plagiarize or cheat, in anyway, risk dismissal from the class and expulsion from the college.
5. Students must check their Atlas e-mails regularly as to not miss any important messages from the professor. Missed messages via Atlas or any other medium (in-class, etc.) may affect your grade and are the responsibility of the student.
6. Students with disabilities who qualify for academic accommodations must provide a letter from the Office for Students with Disabilities (OSD) and discuss specific needs with the professor, preferably during the first two weeks of class. The Office for Students with Disabilities determines accommodation based on appropriate documentation of disabilities (West Campus SSB 102, ext. 1523).
7. Please set all mobile communications on vibrate or off mode. If there is an emergency, feel free to leave the classroom for a moment to take care of any NECESSARY communications. Disruption from a cell phone or other mobile device ringtones, beeps, could result in 5 points being taken off of your final course grade. Laptops are prohibited in class except with permission from the professor.

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Academic Honesty:

All forms of academic dishonesty are prohibited at Valencia College. Academic penalties may include, without limitations one or more of the following: Loss of credit for an assignment, examination, or project; withdrawal from the course, reduction in the course grade; or a grade of “F” in the course. Students will be expected to adhere to the Valencia College Student LifeMap Handbook as it references Valencia College’s Policy #6HX28:08-11 (www.valenciacollege.edu).

Student Code of Conduct:

Students who engage in any prohibited or unlawful acts that result in disruption of the class will be directed by the professor to leave the class for the remainder of the class period. Students will be expected to adhere to the Valencia College Student Life Map Handbook as it references Valencia College’s Policy #6HX28:08-03 ([www: valenciacollege.edu](http://www.valenciacollege.edu)).

Institutional Core Competencies:

The following Valencia Student Competencies will be reinforced throughout the entire course:

THINK – Analyze data, ideas, patterns, principles, and perspectives employing facts, formulas and procedures of the discipline.

VALUE – Distinguish among personal, ethical, aesthetic, cultural, and scientific values evaluating your own and others values from a global perspective in the process of learning the discipline.

COMMUNICATE – Identify your own strengths and need for improvement as a communicator employing methods of communication appropriate to your audience and purposefully evaluate the effectiveness of your own and others communication.

ACT – Apply disciplinary knowledge, skills, and values to educational and career goals acting effectively and appropriately in various personal and professional settings responding also to changing circumstances.

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SCHEDULE OF CLASSES Business Math (CRN 20209) Spring, 2024

Week 1

01/9/2024

Assignment

Expectations

Whole Numbers: How to Dissect and Solve Word Problems (1)

Fractions (2)

Week 2

01/16/2024

Decimals (3)

Banking (4)

Week 3

01/23/2024

Exam #1 (Chapters 1-4)

Solving for the Unknown: A How-To Approach for Solving Equations (5)

Percent and their Applications (6)

Week 4

01/30/2024

Discounts: Trade and Cash (7)

Markups and Markdowns: Perishables and Breakeven Analysis (8)

Week 5

02/06/2024

Exam #2 (Chapters 5-8)

Payroll (9)

Week 6

02/13/2024

Simple Interest (10)

Promissory Notes, Simple Discount Notes, and the Discount Process (11)

Week 7

02/20/2024

Compound Interest and Present Value (12)

Week 8

02/27/2024

Exam #3 (Chapters 9-12)

The Cost of Home Ownership (15)

Week 9

03/5/2024

How to Read, Analyze, and Interpret Financial Reports (16)

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Week 10

03/12/2024

Sales, Excise, and Property Taxes (19)

Week 11

03/18 – 03/22

SPRING BREAK – NO CLASS

Week 12

03/26/2024

Exam #4 (Chapters 15-19)

Annuities and Sinking Funds (13)

Week 13

04/02/2024

Installment Buying, Rule of 78, and Revolving Charge Credit Cards (14)

Week 14

04/9/2024

Life, Fire, and Auto Insurance (20)

Week 15

04/16/2024

Stocks, Bonds, and Mutual Funds (21)

Business Statistics (22)

Review for Final Exam (Chapters 1 through 22)

FINAL EXAM OPEN Monday 04/22/2024 – 04/25/2024

DISCLAIMER: The schedule, procedures, and assignments are subject to change in the event of extenuating circumstances. However, any such change will be clearly announced. Such changes are designed to deal with unforeseen circumstances that arise during the course. The changes will be intended to benefit the student and will not significantly add to the rigor of the course.