

MATHEMATICS 105 – ARITHMETIC - 3 UNITS MW 510 pm – 635 pm Room MSA 009 Section #4452

Instructor: Tim Russell Office CE 238

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Office Hours: 4 am – 5 pm MW

PREREQUISITE: NONE

Final Exam Date: @ 8 am

Facebook: <https://www.facebook.com/groups/692771314069942/>

This course is designed to give the student an understanding of and a competency in the basic operations of elementary arithmetic. Topics include operations with whole numbers, decimals, fractions, and percentages, including percent word problems.

Text: Basic College Mathematics, 9th edition, by Aufmann Barker Lockwood

Calculator: **No Calculators on Quizzes or Tests!!** Otherwise, you may use a calculator to *check* your calculations only! A calculator is not really necessary in this course, however. Please do not use a calculator to do the homework.

Course Requirements

1. The methods of instruction in this class will be lecture, discussion, and group learning. You are expected to take an active role in this learning process. You are responsible for all information covered in class. Taking good notes in a math notebook on concepts and examples is **necessary!** **I may request that you turn in any class notes from the chapter the day of the chapter test.** Make sure the school has an accurate email for you. You will need to check your email frequently. Take advantage of **PLATO**, the computer component available in the Center for Academic Support.
2. We will cover chapters 1-5. We will cover a 2-3 sections per week. I strongly recommend that you read the material we will cover in class **BEFORE** that class!
3. **ATTENDANCE:** You are expected to attend regularly and **on time, with cell phones turned off. PLEASE DO NOT “TEXT” DURING CLASS.** Attendance to all class sessions is required, and you will sign-in daily. Please plan your schedule so that you arrive on time. You **will** be dropped from the class due to excessive absences, i.e., if you miss two (2) consecutive classes in the first 2 weeks of the semester, or if you miss FIVE (5) classes during the entire semester. However, you should not, under any circumstances, assume that you will be officially dropped from the class role by the instructor. **It is the student’s responsibility to officially drop the course if they decide to do so.**
4. **GROUPWORK:** Occasionally we will use group learning sessions in class. Groupwork will occasionally be collected and graded. Groupwork will usually be scored on a 5 point scale. There will be no make-up groupwork.
5. **HOMEWORK:** It’s is essential to pass this course--practice! All homework problems must be done to assure adequate preparation for examinations. You are expected to do 5-10 hours of homework per week! Homework will be assigned daily. At the beginning of each class, we will go over the previous night’s homework, so make sure you have completed it so that you can participate in the discussion. All chapter homework will be due and collected **BEFORE THE CHAPTER EXAM**, using the homework cover sheet to self-assess your work. **Copy each problem**, and present the solution clearly. Box your answers. **DO NOT JUST TURN IN A LIST OF ANSWERS – THIS WILL RECEIVE NO CREDIT.**

Staple your assignments in order, and identify with your name and chapter number. Late homework will not be accepted. Answers to all assigned problems are in the back of the book. Book homework sections will be scored on a 5 point scale.

Book homework and groupwork will count at least 15% of your grade.

Note: 5% of this component of your grade will be based on your class participation/attitude! I expect you to maintain a positive, respectful attitude throughout the entire semester.

6. TESTS and QUIZZES: You will have approximately 5 in-class exams (closed-book, closed-notes) given approximately every Thursday, and will cover material from the current week. Each exam is graded on a 100 point scale. See me early if you must miss an exam. We will also have short homework quizzes, either announced ahead of time or given as a “pop” quiz. There will be no make-up quizzes. **These exams and quizzes will count for 55% of your grade.**

MAKE-UP TESTS: ▲ No make-up or retest will be given. ▲ One missing Test score will be replaced by the final exam percent score. ▲ Your lowest taken test score will be replaced by .95 times your homework percent score, assuming this score is better than your lowest test score. Example: Lowest midterm score of 54 with a homework percent of 80 is replaced by 76. The highest possible replacement score is 100. ▲ Only one replacement per student!

7. **FINAL: The cumulative final exam will count for 30% of your grade. No make-up final will be given.**

Grading: Your class grade is based on a weighted average between the above components, using the formula $.55(\text{test and quiz avg}) + .15(\text{HW \%}) + .30(\text{final exam score})$ with

90-100% - A; 80-89% - B; 70-79% - C; 55-69% - D

Students are bound by the Code of Academic Conduct that addresses issues of academic dishonesty, cheating and student behavior. If you are caught cheating on an exam, you will receive a grade of zero for that exam and the incident will be reported and become part of your permanent record. Any behavior that could be interpreted as disruptive to the class learning environment will result in the instructor filing a student misconduct report. Using extreme foul language is an example of such behavior.

HELP! Get help when needed! See me in my office, find a useful tutor in the library learning center and make regular visits, and work together outside of class. Keep all your homework and tests.

NOTE: If you have a disability and might need accommodations in this class, please contact Disabled Student Program & Services (DSP&S) in Building SSB 320 | (310) 287-4450 as soon as possible to ensure that you receive the accommodations in a timely manner. You **MUST** also discuss your need for accommodations with me. **IT IS YOUR RESPONSIBILITY TO MAKE SURE THE DSP&S OFFICE HAS YOUR EXAM BEFORE THE TEST DATE!**

**STUDENT
LEARNING
OUTCOMES**

The following COURSE STUDENT LEARNING OUTCOMES (SLOs) will be evident throughout the course:

1. Use rounding and estimation in applications of arithmetic.
2. Add, subtract, multiply, and divide fractions and mixed numbers and decimal numbers.

The following institutional STUDENT LEARNING OUTCOMES (SLOs) will be evident throughout the course:

A. *Critical Thinking:* Analyze problems by differentiating fact from opinions, using evidence, and using sound reasoning to specify multiple solutions and their consequences,

B. *Communication:* Effectively communicate thought in a clear, well-organized manner to persuade, inform, and convey ideas in academic, work, family and community settings, and

C. *Quantitative Reasoning:* Identify, analyze, and solve problems that are quantitative in nature.

F. *Technical Competence:* Utilize the appropriate technology effectively for informational, academic, personal, and professional needs.

The following program STUDENT LEARNING OUTCOMES (SLOs) will be evident throughout the course:

1. Apply quantitative thinking processes using basic mathematical operations to solve common academic, workplace, and family problems. (Theme: mathematical operations)

3. Use mathematical tools essential for analyzing quantitative problems and for producing solutions. (Theme: mathematical tools)

5. Select appropriate math strategies for solving and handling real life problems involving finance, economics, and family issues. (Theme: mathematical problem-solving)

Although every effort will be made to adhere to the policies, procedures, and schedules outlined in this syllabus, the instructor reserves the right to revise any information without prior notice.