THE UNIVERSITY OF TEXAS AT EL PASO

COLLEGE OF SCIENCE

DEPARTMENT OF MATHEMATICAL SCIENCES

Course Number:	MATH 3308 – CRN 20699
Course Title:	Proportion and Algebraic Reasoning I
Credit Hrs.:	3
Term:	Spring 2024
Course Meetings &	Tuesday & Thursday 12:00 PM – 1:20 PM
Location:	Hudspeth Hall 100 THIS IS A FACE -TO-FACE COURSE
Prerequisite Courses:	MATH 2303 with a grade "C" or better
Instructor:	Martha Delgado madelgado8@utep.edu
Office Location:	Bell Hall 115
Office Hours:	Tuesday & Thursday 9:00 AM – 10:00 AM By appointment during a different office hours' time: • Send me an email to set up a meeting. • Include your information: **Your name and course name** Office hours are only held during normal university schedules. Please allow one business day for the return of emails. Evening and weekend emails will be attended to during regular business hours. Other times at the discretion of the instructor. During off-scheduling (Final week) or condensed scheduling (late start, closed university) hours will be adjusted appropriately.
Textbook Required:	• Mathematics for Elementary Teachers with Activities (6th Ed) By Sybilla Beckmann. • You must buy the MyLab Math access code that includes the e-textbook. a) Sign into Blackboard and enter the Math 3308 course. b) In the "Home Page" click on "Pearson LTI 1.3" . c) Register.

Course Description:

- This course focuses on proportional and algebraic reasoning for prospective elementary teachers.
- Topics include ratios as measures, ratios as multiplicative comparisons, proportions, rate of change, patterns, linear functions and solving linear equations, inequalities, and systems.
- The focus is on identifying relationships between quantities in contextualized problems, using inductive reasoning to identify patterns and express them algebraically making connections among verbal, graphic, numeric, and symbolic representations, solving problems, using concrete numeric, tabular, graphic and algebraic methods, and addressing student's misconceptions and errors.

Course Objectives:

Students will

(a) deepen their understanding of ratios, proportions, change, and functions by explaining why and making connections.
(b) strengthen their quantitative reasoning and algebraic reasoning.
(c) conceive mathematics as a problem-solving endeavor that involves sense-making and thinking, and
(d) develop the habit of attending to meaning, of analyzing problem situations, and of making conjectures and providing justifications.

Course Activities/Assignments:

- Students are required to read and understand the textbook before each class meeting.
- During class, students must have an active participation to clarify their understandings and then be able to work on their assignments.
- **In-class activities (Classwork)** will allow students to think actively through mathematical ideas and make sense of them for themselves. These mathematical ideas will be placed in contexts to enhance students and teacher discussions during class time. Later, students will explain their solutions, conjectures and/or conclusions using those mathematical ideas and by extending their thinking, they will convert those mathematical ideas into mathematical concepts.
- Students must complete MyLab **Math homework**. **Check the course schedule for due dates at 11:59 PM.**

Assessment of Course Objectives:

- **Students will submit word problem solutions. Check course schedule for due dates.**
- Students can re-work on all incorrect problems' answers to improve assignment score. **Students have one day to do the re-work after the teacher turn in back the graded assignment.**
- **MyLab Math assignments will be graded automatically**.

2 Evaluations

Evaluation 1 (Chapters 6-7)
Evaluation 2 (Chapters 8-9)

- Evaluations' problems/questions will be like those in the e-book, in-class activities, problems and MyLab homework. Most problems require you to think and apply your understanding/knowledge.

Course Schedule: Separated document.

TExES Competencies:

- TExES 114 (Math/Science 4-8): Competencies 2, 3, 4, 5, 15, 16
- TExES 115 (Mathematics 4-8): Competencies 2, 3, 4, 5, 15, 16

Important Dates:

Spring Classes Begin	Jan 16th.
Spring Census Day	Jan 31st.
Spring Drop/Withdrawal Deadline	Mar 28th.
Spring Last Day of classes	May 2nd.
Final Evaluation	TBA

Grading Policy: Grades will be calculated using the following weights:

Section Problems	40%
Homework (MyLab Math)	20%
Evaluation 1	20%
Evaluation 2	20%

Final grades are determined according to the following score scale:

A	90% - 100%
B	80% - 89%
C	70% - 79%
D	60% - 69%
F	< 60%

Make-up Policy:

- Late homework will not be accepted. Make-up homework will only be given for students attending university sponsored events (such as student athletes traveling to meets), and only with prior notification and appropriate documentation.
- A make-up exam will only be given in extraordinary circumstances (severe illness, death in immediate family), and with appropriate documentation (e.g., doctor's note).

Attendance Policy: Attendance is required. Attendance will be taken at every class meeting, after 3 unexcused absences, you will be dropped from the course.

Drop policy:

According to UTEP Curriculum and Classroom Policies, "When, in the judgment of the instructor, a student has been absent to such a degree as to impair his or her status relative to credit for the course, the instructor may drop the student from the class with a grade of "W" before the course drop deadline and with a grade of "F" after the course drop deadline." See academic regulations in the UTEP Undergraduate Catalog for a list of excuse absences. Therefore, if you do not submit any assignments by January 30th , you will be dropped from this class for lack of effort. You are expected to work toward completion of the course assignments daily. You are expected to attend all class meetings. However, if you do not submit any assignments for three consecutive business days, then you may be dropped from this class due to lack of effort. You are expected to check Blackboard and your miners' email regularly for announcements.

The Drop Date for this term is March 28, 2024 before 5:00 PM. No drops will be approved after this date or time.

Students who decide to drop the course must process a drop form, by emailing records@utep.edu.
Please note that the College of Science will remain aligned with the University and **will not approve any drop requests after that date.**

Academic Integrity Policy:

Any student who commits an act of scholastic dishonesty is subject to discipline. Scholastic dishonesty includes, but is not limited to cheating, plagiarism, collusion, and the submission for credit of any work or materials that are attributable in whole or in part to another person, taking an examination for another person, any act designed to give unfair advantage to a student or the attempt to commit such acts. Refer to the UTEP's Policy at https://www.utep.edu/student-affairs/osccr/student-conduct/academic-integrity.html

Civility Statement:

This course requires positive, polite behavior. Please do not distract yourself or others with food, telephones, or music. Telephone use will not be allowed in class. If your phone becomes audible or visible in class, you will be asked to leave class. If your phone becomes audible or visible during an exam, I will immediately collect the exam and you will be required to leave. Further note: Your phone is not a calculator; please do not pretend that it is one.

Disability Statement:

If you have a disability and need classroom accommodations, please contact the Center for Accommodations and Support Services (CASS) at 747-5148, or by email to cass@utep.edu, or visit their office located in UTEP Union East, Room 106. For additional information, please visit the CASS website at www.sa.utep.edu/cass.

Military Statement:

If you are a military student with the potential of being called to service and/or training during the semester, contact me as soon as it appears that your service will interfere with your progress in this course. I will work with you to ensure that your service will not adversely affect your academic progress.

Academic and Technology Resources:

- **Help Desk:** Students experiencing technological challenges (email, Blackboard, software, etc.) can submit a ticket to the UTEP Helpdesk for assistance. Contact the Helpdesk via phone, email, chat, website, or in person if on campus, Academic Resources.
- **UTEP Library:** Access a wide range of resources including online full-text access to thousands of journals and eBooks plus reference service and librarian assistance for enrolled students.
- **Math Tutoring Center (MaRCS)**: Ask a tutor for help and explore other available math resources.

Individual Resources:

- **Military Student Success Center:** Assists personnel in any branch of service to reach their educational goals.
- **Center for Accommodations and Support Services:** Assists students with ADA-related accommodations for coursework, housing, and internships.
- **Counseling and Psychological Services:** Provides a variety of counseling services including individual, couples, and group sessions as well as career and disability assessments.