

THE UNIVERSITY OF TEXAS AT EL PASO
COLLEGE OF SCIENCE
DEPARTMENT OF MATHEMATICAL SCIENCES

Course Number: MATH 3305 – CRN 10616

Course Title: Proportion and Algebra

Credit Hrs.: 3

Term: Fall 2023

Course Meetings & Location: Tuesday & Thursday 10:30 AM – 11:50 AM

Location: Liberal Arts (LART) 210

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 3305 course.
 - b) In the “Home Page” click on the “MyLab Math” folder.
 - c) Select the option “MyLab Math Browser Check” to ensure your computer has all the components you need for the MyLab Math course.
 - d) Select the option “MyLab and Mastering Course Home”.
 - e) 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 in mathematical concepts.
- Students must complete daily a **MyLab Math homework. All these assignments will be due the corresponding class meeting at 11:59 PM.**

Assessment of Course Objectives:

- **Students must submit the in-activities the following day after the in-activity class's discussion.**
- Students can re-work on all incorrect activities' 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)

- Your understanding/learning will be the focus of the evaluations. Evaluations' problems/questions will be like those in the e-book, in-class

activities, and MyLab homework. Most problems require you to think and apply your understanding/knowledge.

Course Schedule: Separated document.

TExES Competencies: TExES 291 (Generalist EC-6) Competencies 1F, 2A-2D, 2F-2G, 2J-2K, 3A-3K, 6D-6K.

Important Dates:	Fall Classes Begin	Aug 18 th .
	Fall Census Day	Sept 13 th .
	Fall Drop/Withdrawal Deadline	Nov 3 rd .
	Fall Last Day of classes	Dec 7 th .
	Final Evaluation	Dec 14 th (10:00AM- 12:45PM)

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

Activities	30%
Homework (MyLab Math)	30%
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. The teacher will take the daily roll.

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 July 10th, 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 November 3rd, 2023 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.