

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

Course Number: MATH 3305 – CRN 11227

Course Title: Proportion and Algebra

Credit Hrs: 3

Term: Fall 2021

Course Meetings & Location: Tuesdays and Thursdays 9:00 – 10:20AM

Location: LART (Liberal Arts) 209

Prerequisite Courses: MATH 2303 with a grade “C” or better

Instructor: Martha Delgado

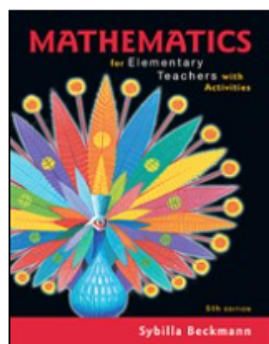
Office Location: Library 218 B (inside MaRCS)

Office Hours: By appointment
(Monday and Wednesday 9:00 AM – 12: PM or 2:00 PM – 5:00 PM).
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 scheduling. 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 (5th Ed)
By Sybilla Beckmann.



[View larger cover](#)

Mathematics for Elementary Teachers with Activities Plus MyMathLab -- Title-Specific Access Card Package, 5th Edition

By **Sybilla Beckmann**

Published by Pearson

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Published Date: May 16, 2017

[Register and enroll](#) to have 14 days of free access to the e-book.



Student Registration Instructions

To register for Math 3305 -11227:

1. Go to <https://www.pearson.com/mylab>.
2. Under Register, select **Student**.
3. Confirm you have the information needed, then select **OK! Register now**.
4. Enter your instructor's course ID: `deigado38889`, and **Continue**.
5. Enter your existing Pearson account **username** and **password** to **Sign In**.
You have an account if you have ever used a MyLab or Mastering product.
 - » If you don't have an account, select **Create** and complete the required fields.
6. Select an access option.
 - » Enter the access code that came with your textbook or that you purchased separately from the bookstore.
 - » If available for your course,
 - Buy access using a credit card or PayPal.
 - Get temporary access.

If you're taking another semester of a course, you skip this step.
7. From the You're Done! page, select **Go To My Courses**.
8. On the My Courses page, select the course name **Math 3305 -11227** to start your work.

To sign in later:

1. Go to <https://www.pearson.com/mylab>.
2. Select **Sign In**.
3. Enter your Pearson account **username** and **password**, and **Sign In**.
4. Select the course name **Math 3305 -11227** to start your work.

To upgrade temporary access to full access:

1. Go to <https://www.pearson.com/mylab>.
2. Select **Sign In**.
3. Enter your Pearson account **username** and **password**, and **Sign In**.
4. Select **Upgrade access** for **Math 3305 -11227**.
5. Enter an access code or buy access with a credit card or PayPal.

- This course focuses on proportional and algebraic reasoning for prospective elementary teachers.

Course Description:

- 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 meetings.
- During class, students are expected to have an active participation to clarify their understandings and later be able to work on their assignments.
- In-class activities (Classwork) will be given **ONLY** before/during class instruction. These textbook activities will allow students to think actively through mathematical ideas and make sense of them for themselves. These mathematical ideas will be place in contexts to enhance students and teacher discussions during class time. Then, students will explain their solution methods to deep and extend their thinking.

Assessment of Course Objectives: Homework will be available on Blackboard.

- Homework assignments will be scored for completeness and correctness. It is expected that students will re-work all incorrect homework assignments.

4 Tests

- One test after covering the content of one chapter.
- These tests will measure/examine your knowledge of each chapter content.
- You will be able to determine what you know or has learned.
- You will re-work the tests to look over mistakes, and reflect on your previous work to improve your understanding.
- The purpose is that you leave this class feeling confident that you have truly mastered the concepts that you may one day teach for yourself.

3 Exams

Exam 1 (Chapters 6-7)

Exam 2 (Chapters 8-9)

Final exam (Comprehensive)

- Exams will be scored for correctness.
- Examinations are based on your understanding of the concepts. Exam problems are similar to those in the textbook, in-class activities, homework and tests. Most problems require you to think and apply your understanding.

Course Schedule:	Weeks	Sections	Topic
	1 – 3	6.1 – 6.6	Division
	4 – 6	7.1 – 7.6	Ratio & Proportional Relationships
	7 – 9	8.1 – 8.6	Number Theory
	10 – 12	9.1 – 9.4	Expressions, Variables, Equations
	13 – 15	9.5 – 9.7	Sequences & Functions

TEExES Competencies:

Competencies 15, 18, & 14 (Generalist EC-6)

Competencies 19, 22, & 18 (Bilingual Generalist EC-6)

Competencies 12, 13, 14, 15 & 24 (Generalist 4-8)

Competencies 16, 17, 18, 19 & 28 (Bilingual Generalist 4-8)

Competencies 3, 4, 5, 15 & 16 (Mathematics 4-8)

Important Dates:	Fall Census Day (Last day to drop without a W)	September 8 th
	Fall Drop Day (Last day to drop with a W)	October 29 th
	Final Exam	December 7 th 10:00 AM–12:45 PM

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

In-class activities	10%
Homework Assignments	15%
4 Tests (each 5%)	20%
Exam 1	15%
Exam 2	15%
Final Exam	25%

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). Exams can be made up with the permission of the instructor on an individual basis.

Attendance Policy: Attendance is required. Roll will not be taken. However, if you do not attend to a class meeting, you will miss that day in-class activity and the weight portion of your grade will be affected.

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 September 3rd at 11:59 PM, then 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 on Tuesdays and Thursdays 9:00 AM – 10:20AM, at LART 209.

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 semester is October 29th, 2021 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 by October 29th.

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, 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 behaviors. Please do not distract yourself or others with food, telephones, or music. In particular, 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.

COVID-19 Precautions:

- Please stay home if you have been diagnosed with COVID-19 or are experiencing COVID-19 symptoms. If you are feeling unwell, please let me know as soon as possible, so that we can work on appropriate accommodations.
- If you have tested positive for COVID-19, you are encouraged to report your results to covidaction@utep.edu, so that the Dean of Students Office can provide you with support and help with communication with your professors. The Student Health Center is equipped to provide COVID 19 testing.
- The Center for Disease Control and Prevention **recommends** that people in areas of substantial or high COVID-19 transmission wear face masks when indoors in groups of people.
- The best way that Miners can take care of Miners is to get the vaccine.
- If you still need the vaccine, it is widely available in the El Paso area, and will be available at no charge on campus during the first week of classes.
- For more information about the current rates, testing, and vaccinations, please visit epstrong.org
- Please contact me immediately if you fall ill during the semester so that we can work together to formulate a strategy to help you get caught up as soon as you are physically able.

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.