

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

Course Number: MATH 2303- 16283
Course Title: Number Concepts
Credit Hrs: 3
Term: Fall 2022
Course Meetings & Location: Tuesdays & Thursdays 1:30 PM – 2:50 PM
LART 211
Prerequisite Courses: MATH 0311 or an adequate score on a placement exam
Course Fee: (if applicable) None
Instructor: Martha Delgado
madelgado8@utep.edu

Office Location: Library 218 B (inside MaRCS)

Office Hours: MW 10:30AM – 11:30 AM
TR 12:00PM – 1:00 PM
To set an appointment during a different office hours' time:
Send me an email to set up a meeting including:
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 (6th Ed) By Sybilla Beckmann.
 - You must buy the MyLab Math access code that includes the e textbook.
 - a) Sign in to Blackboard and enter the Math 2303 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 numbers and operations for prospective elementary and middle school teachers. Topics include place value, whole numbers, rational numbers, signed numbers, arithmetic operations and algorithms, divisibility tests, multiples and factors. The focus is on conceptual understanding, quantitative reasoning, number sense, multiple representations and ways of thinking, mathematical justification and communication, problem solving, connection making and addressing students' common misconceptions and errors.

Course Objectives: Students will

- (a) deepen their conceptual understanding of numbers and operations by explaining why and making connections;
- (b) conceive mathematics as a problem solving endeavor that involves sense-making and thinking; and
- (c) develop the habits of attending to meaning, of analyzing problem situations, and of making conjectures and providing justifications; and
- (d) develop the skills of active reading and understanding mathematical texts.

Course Activities/Assignments:

- Students are required to read and understand the textbook before each class meetings.
- **In-class activities (Classwork)** will allow students to think actively using and making sense of mathematical ideas. These mathematical ideas will be placed in contexts allowing students and teacher to be involved in class' discussions. Then, 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.
- During class, students are expected to have an active participation to clarify their understandings and later be able to work on their assignments.
- Students must complete on a daily basis a **MyLab Math homework**

Assessment of Course Objectives: **Students must turn in the worked activities the following day after activity class' discussion.**

- Activities will be graded and include partial credit as well as feedback on the learning process.
- Students can do a 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.**

System will grade automatically MyLab Math homework and have 3 attempts.

- a. You will be able to determine what you know or has learned.
- b. 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 Evaluations

Evaluation 1 (Chapters 1-2)

Evaluation 2 (Chapters 3-4)

Final evaluation (Chapters 5-6)

- 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: Separate document

TExES Competencies: Competencies 14 & 18 (Generalist EC-6)
Competencies 18 & 22 (Bilingual Generalist EC-6)
Competencies 10, 11, 12, & 24 (Generalist 4-8)
Competencies 14, 15, 16, & 28 (Bilingual Generalist 4-8)
Competencies 1, 2, 3, 15 & 16 (Mathematics 4-8)

Important Dates:	Census Day – (Last Day to Drop without a “W”)	September 7 th
	Course Drop – (Last Day to Drop with a “W”)	October 28 th
	Final Exam	TBA

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

Activities	30%
Homework (MyLab Math)	25%
Evaluation 1	15%
Evaluation 2	15%
Final Evaluation	15%

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 be taken.

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 1st, 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..

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 28th, 2022 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 28th .

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. All correspondence with your instructor and other students should be conducted in an appropriate manner.

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.