

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

- Course Number:** MATH 2303- 23148
- Course Title:** Number Concepts
- Credit Hrs:** 3
- Term:** Spring 2022
- Course Meetings & Location:** Mondays & Wednesdays 10:30 AM – 11:50 AM
LART 206
- 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:** TBA
- Textbook Required:** A TEXTBOOK WILL BE PILOTED DURING THE SEMESTER. INFORMATION WILL BE GIVEN ABOUT THE FREE ACCESS THE TEXTBOOK'S PUBLISHER MAY OFFER
Mathematics for Elementary Teachers with Activities (6th Ed)
By Sybilla Beckmann.
(DO NOT BUY THE TEXTBOOK)
- 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.
- Students are required to work on the daily assigned textbook “Class Activity “ .
- During class, students are expected to have an active participation to clarify their understandings and later be able to work on their assignments.
- 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 correctness. It is expected that students will re-work all incorrect homework assignments.

5 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 1-2)

Exam 2 (Chapters 3-4)

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 – 2	1.1 – 1.4	Numbers & Base-Ten System
3 – 5	2.1 – 2.5	Fractions & Problem Solving
6 – 8	3.1 – 3.5	Addition & Subtraction
9 – 10	4.1 – 4.6	Multiplication (Whole numbers)
11 – 12	5.1 – 5.4	Multiplication (Rational & Signed Numbers)
13 – 15	6.1 – 6.3	Division (Whole numbers)

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”) February 2nd
Course Drop – (Last Day to Drop with a “W”) April 1st
Final Exam TBA

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

Homework Assignments/Activities	20%
5 Tests (each 5%)	25%
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 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 February 4th 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 Mondays and Wednesdays 10:30 AM – 11:50AM, at LART 206. 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 April 1st, 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 April 1st.

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 and you will receive no credit for that day’s classwork. 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.

COVID -19 Accommodations: Students are not permitted on campus when they have a positive COVID-19 test, exposure or symptoms. If you are not permitted on campus, you should contact me as soon as possible so we can arrange necessary and appropriate accommodations. Students who are considered high risk according to CDC guidelines and/or those who live with individuals who are considered high risk may contact Center for Accommodations and Support Services (CASS) to discuss temporary accommodations for on-campus courses and activities. Apply at cassportal.utep.edu and fill out a three-question application. You will be scheduled to meet with disability coordinator to discuss your unique situation.

COVID -19 Precautions: You must STAY AT HOME and REPORT if you (1) have been diagnosed with COVID-19, (2) are experiencing COVID-19 symptoms, or (3) have had recent contact with a person who has received a positive coronavirus test. Reports should be made at screening.utep.edu. If you know of anyone who should report any of these three criteria, you should encourage them to report. If the individual cannot report, you can report on their behalf by sending an email to COVIDaction@utep.edu.

For each day that you attend campus—for any reason—you must complete the questions on the UTEP screening website (screening.utep.edu) prior to arriving on campus. The website will verify if you are permitted to come to campus. Under no circumstances should anyone come to class when feeling ill or exhibiting any of the known COVID-19 symptoms. If you are feeling unwell, please let me know as soon as possible, and alternative instruction will be provided. Students are advised to minimize the number of encounters with others to avoid infection.

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.

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

