

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

Course Number: MATH 2304 – CRN 21894

Course Title: Geometry & Measurement

Credit Hrs.: 3

Term: Spring 2021

Course Meetings & Location: MW 10:30-11:50 PM

Online via Blackboard

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

Instructor: Martha Delgado
madelgado8@utep.edu

Office Location: Online via Blackboard

Office Hours: By appointment.

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, Materials
Required:**

- Mathematics for Elementary Teachers with Activities (5th Ed) By Sybilla Beckmann.

You must have reliable internet access and a computer in order to take an online class.

We will be using MyMath Lab which contains a copy of the eBook. You may choose to purchase/rent the hardcopy of the text as well, but it is not required.

- Compass, protractor, geometric set, tape and stapler.

Course Description: This course focuses on geometry and measurement for prospective elementary and middle school teachers. Topics include measurement as a process of units of measurement for quantities such as length, area, volume, angle size, and speed; conversions of units of measurement; properties and formulas for basic geometrical shapes such as polygons, circles, polyhedral, and cones; transformations such as translations, rotations, reflections, and dilations to geometric relationships and constructions using straight edge, compass, and technology. The focus is on spatial reasoning, logical reasoning, and making connections among geometric ideas and measurement, number concepts, and algebra.

- Course Objectives:** Students will
- Deepen their understanding of geometry as a study of space and shapes, and measurement as a process of determining size;
 - Make connections and distinction among between concepts, e.g., congruent figures and rigid motion, similarity and proportionality;
 - Conceive mathematics as a problem-solving endeavor that involves visualizing, investigating, and analyzing;
 - Develop the habits of attending to meaning, of analyzing problem situations, and of making conjectures and providing justifications;
 - Develop skills of active reading and understanding mathematical texts.

- Course Activities/Assignments:** Students are expected to:
- Read each section of the textbook
 - Have an active participation during BB class meetings to clarify their understandings.
 - Complete individual homework via MyMath Lab.
 - Use the above information in form of activities or constructions to illustrate their learning.
 - Constructions and activities will be posted in Blackboard and will be submitted as group assignments.

Assessment of Course Objectives:

- Homework will be graded automatically by MyLab Math as either correct or incorrect.
- Constructions and activities will be graded by hand and will include partial credit as well as feedback on the learning process.
- Exams will be taken via Blackboard:
 - ✓ 1 midterm exam
 - ✓ Final exam

Course Schedule:

A comprehensive course schedule is available on Blackboard. Semester highlights are included:

- January 19th First day of class
- February 3rd Census day
- March 15th -19th Spring Break
- April 1st Drop Day (last day to drop with a W)
- May 6th Last day of classes
- TBA Final Exam

TExES Competencies:

Competencies 16 & 18 (Generalist EC-6)
Competencies 20 & 22 (Bilingual Generalist EC-6)
Competencies 17, 18, 19, 20 & 24 (Generalist 4-8)
Competencies 21, 22, 23, 24 & 28 (Bilingual Generalist 4-8)
Competencies 8, 9, 10, 11, 15 & 16 (Mathematics 4-8)

Grading Policy:

Grades will be calculated using the following weights:

Constructions/Activities/Problems (BB)	30%
Homework Assignments (MyLab Math)	10%
Quizzes	10%
Midterm	25%
Final Exam	25%

Letter grades are determined according to the following scale:

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

Make-up Policy: **Homework:** There are no extensions for the online MyLab Math homework assignments.

Activities/Constructions/Problems: All activities should be turned in by the due date, but will be accepted through 11:59 pm MDT on Friday of the week it was assigned. Work submitted after this date/time will not be accepted.

If you feel like you have some extenuating circumstance, or have an excused absence that will keep you from completing the assignment or activity in a timely manner, please contact me right away and be prepared to show supporting documentation.

University Sponsored Events: (conferences, student athletes, etc...) The student needs to inform me of any traveling conflicts before they leave and make adequate arrangements to make up the missed material with one week of returning. Failure to do so, will result in the forfeiture of points.

Quizzes: No make-up quizzes.

Exams: 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 in the course is determined by participation in the learning activities of the course. Your participation in the course is important not only for your learning and success but also to create a community of learners. Participation is determined by completion of the following activities:

- Reading/Viewing all course materials to ensure understanding of assignment requirements
- Participating in engaging discussion with your peers on the discussion boards.
- Participating in scheduled Blackboard Collaborate sessions
- Other activities as indicated in the weekly calendar.

Because these activities are designed to contribute to your learning each week, they cannot be made up after their due date has passed.

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 29th 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 MW 10:30- 11:50 PM, via Blackboard Collaborative Ultra. 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: The University policy is that all suspected cases or acts of alleged scholastic dishonesty must be referred to the Dean of Students for investigation and appropriate disposition.

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>

Each student is responsible for notice of and compliance with the provisions of the Regents’ Rules and Regulations, which are available for inspection electronically at <https://www.utsystem.edu/offices/board-regents/regents-rules-and-regulations>.

All students are expected and required to obey the law, to comply with the Regents’ Rules and Regulations, with System and University rules, with directives issued by an administrative official in the course of his or her authorized duties, and to observe standards

of conduct appropriate for the University. A student who enrolls at the University is charged with the obligation to conduct himself/herself in a manner compatible with the University's function as an educational institution.

Any student who engages in conduct that is prohibited by Regents' Rules and Regulations, U. T. System or University rules, specific instructions issued by an administrative official or by federal, state, or local laws is subject to discipline, whether such conduct takes place on or off campus or whether civil or criminal penalties are also imposed for such conduct.

Civility Statement: 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.