THE UNIVERSITY OF TEXAS AT EL PASO

COLLEGE OF SCIENCE

DEPARTMENT OF MATHEMATICAL SCIENCES

Course Number:	MATH 2304 – CRN 12071
Course Title:	Geometry & Measurement
Credit Hrs.:	3
Term:	Fall 2020
Course Meetings & Location:	MW 3:00-4:20 PM Online via Blackboard
Prerequisite Courses:	MATH 2303 with a grade "C" or better
Instructor:	Martha Delgado
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 (5^{th} Ed) By Sybilla Beckmann. **You must have reliable internet access and a computer i order to take an online class.** We will be using MyMath Lab which contains a copy of th eBook. You may choose to purchase/rent the hardcopy of th text as well, but it is not required. • You are required to download the Lockdown Browser t complete the exams on Blackboard. • Compass, protractor, geometric set, tape and stapler.

MyLab Math: Instructions to access and register for MyLab Math from Blackboard:
To enter your course on MyLab Math on August 24 follow these steps:

1) **Open** your Blackboard course.
2) **Select** the "MyLab and Mastering Course Home" link from the Content Area.
3) **Enter** your Pearson account username and password to Link Accounts. You have an account if you have ever used a MyLab or Mastering product.
   If you don't have a Pearson account, select **Create** and follow the instructions.
4) **Select** an access option:
   a) Enter the access code that came with your textbook or that you purchased separately from the bookstore.
      or
   b) Buy access using a credit card or PayPal. If you're taking another semester of a course, you skip this step.
   c) When entering the code, enter all the words and characters in the boxes appropriately.
   d) From the You're Done page, select **Go to My Courses.**

   It is recommended you always enter your MyLab Math course through Blackboard.
5) Get your computer ready and check the system requirements for the best experience using MyMath Lab at:
   https://www.pearsonmylabandmastering.com/northamerica/mymathlab/system-requirements/

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:
- 2 midterm exams
- Final exam

LockDown Browser Requirement

This course requires the use of LockDown Browser for online exams. Watch this video to get a basic understanding of LockDown Browser:
https://www.respondus.com/products/lockdown-browser/student-movie.shtml

Download Instructions

Download and install LockDown Browser from this link:
https://download.respondus.com/lockdown/download.php?id=586140509

Once Installed

- Start LockDown Browser
- Log into Blackboard Learn
- Navigate to the test

Note: You won't be able to access exams with a standard web browser. If this is tried, an error message will indicate that the test requires the use of LockDown Browser. Simply start LockDown Browser and navigate back to the exam to continue.
Lockdown Browser is not compatible with Chromebooks.

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

- August 24th First day of class
- Sept 9th Census day
- Oct 30th Drop Day (last day to drop with a W)
- Dec 3rd 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:

Activities/Constructions (BB)	20%
Homework Assignments (MyLab Math)	15%
Midterm	20%
Midterm	20%
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: 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.

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:

If you do not submit any assignments by August 28 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 3:00- 4:20 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.

Drop Policy:

The Drop Date for this semester is Friday, October 30th, 2020 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 30th. 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.