

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

Course Number: MATH 2304 CRN 33862
Course Title: Geometry & Measurement
Credit Hrs: 3
Term: Summer 2,2020 (July 7 – August 4)
Course Meetings & Location: Online via MyMathLab and Blackboard
Prerequisite Courses: Math 2303 with a grade “C” or better. (“S” acceptable)
Course Fee: (if applicable) None
Instructor: Tuesday J. Johnson
Office Location: Online only
Contact Info: E-mail: tjohnson3@utep.edu
Math Department: mathdept@utep.edu
Office Hrs: Tuesday/Thursday 1:00 pm – 2:00 pm

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 (Finals week) or condensed scheduling (late start, closed university) hours will be adjusted appropriately.

Textbook: Mathematics for Elementary Teachers with Activities (5th ed.) by Sybilla Beckmann.

Required Technology/Materials: You must have reliable internet access in order to take an online class. We will be using MyMathLab 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. Students will need a compass, protractor, ruler, tape, and stapler.

Course Objectives (Learning Outcomes): 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.

Students will

- (a) Deepen their understanding of geometry as a study of space and shapes, and measurement as a process of determining size;
- (b) Make connections among and distinctions between concepts, e.g., congruent figures and rigid motion, similarity and proportionality;
- (c) Conceive mathematics as a problem solving endeavor that involves visualizing, investigating, and analyzing;
- (d) Develop the habit of attending to meaning, of analyzing problem situations, and of making conjectures and providing justifications; and
- (e) Develop good learning skills like reading math text actively, posing questions, making connections, and create own notes using graphic organizers.

Activities and Assignments: This course will be entirely online via Blackboard. Students are expected to read each section of the text, complete some problems from the text via the online homework system, and then use that information in the form of activities or constructions to illustrate their learning. There will be a midterm exam after the first two weeks and the final exam will take place on August 4th.

Assessment of Course

Objectives: Homework will be graded automatically by the system 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 with details to follow.

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

- July 7 – First day of classes
- June 9 – Census Day
- **July 24 – Drop Day (Last day to drop with a W)**
- July 31 – Last Day of Classes
- August 4 - Final Exam

Grading Policy: You will be graded on homework, activities, a midterm exam, and a final exam

Activities/Constructions	30%
Homework (MML)	30%
Midterm Exam	20%
Final Exam	20%

Letter grades are determined according to the following scale:

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

Make-up Policy: Homework: A two day extension is allowed for the online homework assignments. There will be no penalty for the two day extension, but work later than two days from the original due date will not be accepted.

Activities: 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 July 10 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 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.

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. 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 need accommodations for your success, 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 <https://www.utep.edu/student-affairs/cass/>

The student is responsible for informing me of the accommodations needed and will be responsible for proactive actions in regards to having accommodations met.

Military Statement: If you are a military student with the potential of being called to military service and /or training during the course of the semester, you are encouraged to contact your instructor as soon as possible. This includes military spouses or dependents sending off or welcoming military personnel from out of area.

Class Procedures

We will use WebAssign primarily for this course. Blackboard will be used for additional instructor resources.

1. On the first day of class, June 8th, you must use the WebAssign Class Key provided by your instructor to create your account on WebAssign and start working on your assignments. (See attendance policy.)
2. The first assignment to complete is called Entering Math Answers in Enhanced WebAssign. In fact, you won't be able to access any other assignments until you score 100% on this one. This assignment details how to enter your answers on WebAssign.
3. Once you complete that first assignment, I suggest you follow the course calendar to work on the rest of the assignments daily. The homework is designed to help you learn the material with 5 attempts at each problem. The quizzes are designed to help you test your knowledge of the material in a limited time frame. The exams are a major portion of your grade so be sure to log on and complete your exams during the times they are open.
4. The quizzes are times at 30 minutes each. Once you click on the quiz, you will have 30 minutes to finish it. Once you start the quiz, the timer begins and keeps going even if you log out, so be sure that you have an uninterrupted 30 minutes before you click on the quiz. The password for every quiz is the word **ready**.
5. Each of the three semester exams are timed exams. Once you click on the exam, you will have 2 hours to finish 15 – 20 questions. Once you start the exam, the timer begins and keeps going even if you log out, so be sure that you have an uninterrupted two hours before you click on the exam. The password for every main exam is the word **ready**.
6. The final exam is also a timed exam. Once you click on the final exam you will have 2 hours and 45 minutes to finish 20 questions. Once you start, the timer begins and keeps going even if you log out, so be sure that you have an uninterrupted two hours and forty-five minutes before you click on the exam. The password for your comprehensive final exam is the word **ready**.
7. It is essential that you try to keep up with the calendar that accompanies the syllabus. We cover several sections each week. There are no extensions on quizzes or exams without a documented reason, so you need to keep up on the homework so that you can be successful on the exams.
8. You can get extensions for the homework assignments. You have two days to request the extension, but once you have requested it you only have one day from the time you accepted the extension to complete the assignment. Note, the time due will not necessarily be 11:59PM. In order to request an extension for a homework assignment, the deadline had to pass. Click on Past Assignments and then click on "Ask for Extension" on the assignment you wish to extend. If you view the answer key first, the system will not let you request the extension. Homework extensions come with no penalty, however the best thing to do is to get your work done on time. If you rely too much on taking extensions, you will get too far behind and not be prepared for quizzes and exams when they come. You cannot ask for extensions after the last day of class.
9. **Resources:** You can click on resources at the bottom of your WebAssign homepage and you will be able to access PowerPoint lectures from the publisher as well as the Cengage lecture videos for each section that we cover. These are great built in resources to add to what your instructor provides.

I hope this will help to get you started in the course. You should be able to start working on the WebAssign assignments beginning Monday, June 8th. Please log in on June 8 and get started on the course. Anyone who has not registered for WebAssign and has not submitted any assignments into WebAssign by Wednesday, June 10th at 11:59 PM will be **dropped** from the course. I will be monitoring who has not registered after the first day and sending reminder emails.

Please let me know if you have any questions. Good luck in the course!

Instructor Signature.