

Mrs. Lymeda Singleton

Texas A & M University - Commerce
FALL 2012

Office: Binnion 323

Phone: 903-866-5944 (no voice mail)

Email: Lymeda.Singleton@tamuc.edu

Website: www.tamu-commerce.edu/math/FACULTY/SINGLETON/ then click on Math 301

Tutorial Hours: Tues / Thur 11:00 a.m. - 12:30 p.m., other times by appointment

Math 301: Introductory Geometry

Course Placement: To be placed in this course, you should have completed Math 351 Topics in Mathematics for Elementary Teachers Part 2 with a C or better.

Student Learning Outcomes: Students completing this course should be able to develop geometric concepts and axiomatic structure of Euclidean geometry, develop mathematical thinking using inductive and deductive reasoning, demonstrate an understanding of transformational geometry, relate algebra to geometry through the Cartesian Coordinate system, analyze the properties of two- and three-dimensional figures, and develop and understand measurement formulas.

Textbook: *Discovering Geometry* by Michael Serra, *Geometer's Sketchpad* software

Supplies: notebook paper (8½ X 11 in., wide- or college-ruled, no spiral), **pencils** (All work must be completed in pencil.), **colored pencils, protractor, and compass.** You may also want scissors, tape, stapler, and a 2" or 3" 3-ring notebook for handouts.

Attendance: There are no "excused" or "unexcused" absences in this class, although I do appreciate knowing why you missed if you feel you can share that with me. Please put it in writing.

If you represent TAMU-Commerce on an athletic team, ag team, band, cheerleading, choir, debate, or other group and must miss class, notify the instructor in writing with the coach's / sponsor's signature one week before the anticipated absence in order to not be counted absent. Arrangements for make-up work will be made at that time.

If a student has no absences and less than three tardies per test unit, the student will receive 5 points extra credit on that major exam. If a student has no absences during the entire semester and fewer than 3 tardies total, he / she will receive 5 points on the final exam.

*******As future teachers, each student in this class should understand and appreciate that attendance has a great effect on performance. The state of Texas has a truancy policy for this reason. If a student misses 20% or more of this class, he / she will be considered "truant" and may not receive credit for this course. This is 6 absences MW / TR. The highest grade assigned to any student who has been truant without documenting extenuating circumstances will be a D. *******

Grading Policy:

DAILY ACTIVITIES (Act):

- Activities are to be completed through class participation, usually in small groups, or individually. Group size will vary throughout the semester: they may be teacher-determined or student-determined, according to the task.
- Activities will usually NOT be graded. Answer KEYS will be posted on the instructor's website.

NON-TEST GRADES: 15%, grade to be determined by points accumulated

- HOMEWORK (HW) will be due at the beginning of the announced class period, regardless of attendance.
- Point values will vary.
- There will be a 20% penalty on all late work
- Homework should be completed on an individual basis.

4 MAJOR TESTS @ 20% each:

Oct 4 TEST # 1: Angles, Lines, Triangles, Constructions

Nov 1 TEST # 2: Proofs, Quadrilaterals, Properties of Polygons, Perimeter, Area

Dec 4 TEST # 3: Coordinate geometry, symmetry, transformations, 3-D solids, volume, surface area

LAB FINAL: 5% to be completed in class November 29.

FINAL EXAM: 20%: The Final Exam will be a comprehensive exam. Thursday, December 13, 8 - 10 am

Grading Scale: A: [90, 100+), B: [80, 90), C: [70, 80), D: [60, 70), F: [0, 60) NOTE: A “C” is necessary to satisfy the degree requirements for education majors.

Classroom Environment: RESPECT “All students enrolled at the University shall follow the tenets of common decency and acceptable behavior conducive to a positive learning environment.” (Student’s Guide Handbook, Policies and Procedures, Conduct)

Getting Help: If you have a disability requiring an accommodation, please contact: Office of Student Disability Resources and Services, Texas A&M University-Commerce, Halladay Student Services Building, Room 303 A/D, Phone (903) 886-5150 or (903) 886-5835, Fax (903) 468-8148, StudentDisabilityServices@tamu-commerce.edu

For help with assignments, classroom activities, or any thing else, please feel free to drop in during my posted office hours, or call me. Outside these hours, please email me. I will check my email several times a day in order to reply as promptly as possible.

The MATH LAB was created to provide tutors to students who need extra help in a math course. Tutors are available according to the following schedule: Monday, Wednesday: 8 a.m. – 8 p.m.

Tuesday, Thursday: 8 a.m. – 6 p.m.

Friday: 8 a.m. – 3 p.m.

Academic Integrity Academic dishonesty takes many forms:

- Giving or receiving answers during an exam or quiz.
- Viewing the exam or quiz answers of a nearby classmate.
- Having notes/practice work available during quizzes or tests.
- Possession or access to test items before the test is given.
- Deception in getting an excused absence to obtain the undeserved opportunity to make-up work.
- Any method, no matter how well rationalized or accepted, which improves a person’s grade by any means other than study and skillful performances on exams and/or other assignments.
- **PRESENCE of ELECTRONIC DEVICES during a quiz or test.** If cell phones, texting devices, or music players are IN SIGHT during a quiz or test, the owner will receive a zero on the quiz or test.

Students found guilty of an act of academic dishonesty in this course will be subject to the following actions in this course: A first violation in a class will result in a zero on the task/assignment/quiz/test. No make-up will be allowed nor will you be allowed a final exam substitution in the case of an exam. A second violation in a class will result in an “F” in the course, regardless of current average. Appropriate offices will be notified in all incidents.

Remaining enrolled in this class indicates that you are agreeing to abide by these policies.

OVERVIEW:

Wk 1: Intro, constructions	Wk 5: Triangles	Wk 9: Polygons, perimeter, area	Wk 13: volume, Thanksgiving
Wk 2: Finish projects	Wk 6: Test 1	Wk 10: Test 2	Wk 14: surface area, lateral area
Wk 3: Labs	Wk 7: Proofs	Wk 11: Coordinate graphs, Transformations	Wk 15: Lab final Test 3
Wk 4: Angles & lines	Wk 8: Quadrilaterals	Wk 12: Solids	Wk 16: Final exam

