

Welcome to **EUCLIDEAN GEOMETRY**. I'm looking forward to exploring geometry with you this term! I hope my industry experience in engineering and management will help you see the relevancy of math, and specifically geometry, to real life. Our future depends on problem solvers and the study of mathematics provides the experiences that will help you develop that talent - a talent you will take with you wherever you go.

Course ID	Room	Units	Days	Start Time	End Time
MAT 153-01	E106	4	T θ	4:00 PM	5:50 PM

INSTRUCTOR: Bruce Brant

PHONE: 510-936-3211

E-MAIL: bbrant@mail.ltcc.edu

OFFICE HOUR: M 5:30 - 6:30 PM, Rm A211

REQUIRED TEXTBOOK: *Elementary Geometry for College Students*, by Brooks/Cole, 5th Edition

REQUIRED EQUIPMENT: *Ruler, Protractor, Compass, Graph Paper*

To succeed in **EUCLIDEAN GEOMETRY** you need to take responsibility for your own learning.

- **Attendance:** You must actually be in class to take advantage of learning opportunities such as lectures, in-class assignments and pre-test review activities.
- **Class Preparation:** Read the chapter and do the homework before class so you can get your questions answered before we move on.
- **Attention:** Make the best use of your class time. Pay attention, participate/ask questions and take notes. Cellphones are distracting and should be turned off during class.
- **Practice:** Homework provides only one opportunity for you to practice problem solving skills. Most of you will need additional practice - the text is a great resource!
- **Study:** Testing is your opportunity to prove you can solve problems using the concepts learned in this class. Be sure to prepare yourself for these scheduled events.

COURSEWORK: Coursework includes homework and in-class assignments.
Homework assignments are listed in the course schedule (below) and should be completed prior to the beginning of the class after which they assigned. However, I will accept homework on the Tuesday after which it is assigned without penalty.
In-class Assignments are assigned as necessary to insure comprehensive understanding of the subject matter. These assignments are completed 100% during class time.

TESTING: Calculators are not allowed on quizzes or exams. No notes are allowed on quizzes. However, you may use one 3x5 card of notes on exams.

GRADING POLICY: Your overall score in this class is computed from your work as follows.

Coursework	20%
Quizzes (5)	30%
Exams (2)	30%
Final (cumulative)	20%

Your letter grade will be based on your overall score as follows.

A	90-100%
B	80-89%
C	70-79%
D	60-69%
F	less than 60%

MAKE-UP/LATE WORK POLICY:

COURSEWORK Late **homework** will only be accepted up to one week following the listed due date. Late homework meeting this criteria can receive up to 50% credit.

In-class assignments require real-time participation and cannot be made up.

QUIZZES: There are no make-ups for quizzes - however your lowest quiz score will be dropped.

EXAMS Exams can only be made up if I am notified in advance. It is the student's responsibility to coordinate the time of the make-up with me at least one class session prior to the scheduled exam date.

MAT 153-01 Class Schedule

Date	Sections	Assigned Problems	Homework Due
T 4/7	1.1 pg. 8	3, 5-8, 13, 15, 17, 20, 22, 24, 25, 27, 33-35, 41, 43, 45, 50-52, 55	θ 4/9, 4 PM
θ 4/9	1.2 pg. 18	3, 7, 9, 11, 14, 16, 19, 20, 27, 28, 33-37, 39, 41, 42, 46	T 4/14, 4 PM
T 4/14	1.3 pg. 28	1, 2, 9, 10, 11, 14, 15, 17-19, 21, 26-28, 38.	θ 4/16, 4 PM
	1.4 pg. 37	1, 5, 6, 10, 11, 14, 15, 18, 23, 28, 30, 31, 33, 34	
θ 4/16	1.5 pg. 44	1, 3, 5, 7, 9, 12, 14, 20, 24, 25, 29, 32	T 4/21, 4 PM
**** Quiz 1 (1.1 - 1.4) ****			
T 4/21	1.6 pg. 52	1, 5, 8, 11, 13, 15, 22	θ 4/23, 4 PM
	1.7 pg. 58	2, 3, 8, 10, 15, 18, 21, 26, 27, 29	
θ 4/23	2.1 pg. 78	1, 2, 5, 8, 9, 11-14, 24, 27, 28	T 4/29, 4 PM
**** Quiz 2 (1.5 – 1.7) ****			
T 4/28	2.2 pg. 84	2, 5-7, 15, 19, 23, 25	θ 4/30, 4 PM
	2.3 pg. 91	2-4, 7-11, 15, 17, 21, 23, 25, 35	
θ 4/30		Exam 1 review	
!!!! Exam 1 (1.1 – 1.7, 2.1 – 2.3) !!!!			
T 5/5	!!!!	Exam 1 (1.1 – 1.7, 2.1 – 2.3)	!!!!
θ 5/7	2.4 pg. 96	3, 8, 9, 10, 13, 14, 16, 17, 19, 28, 31, 37, 42	T 5/12, 4 PM
	2.5 pg. 105	4, 7, 9, 11, 13, 15, 18, 19, 37	
T 5/12	3.1 pg. 136	1, 2, 4, 6, 8, 10, 11, 15, 18-20, 26, 27, 32, 35	θ 5/14, 4 PM
	3.2 pg. 142	2, 3, 9, 14, 15, 18, 23, 27, 34	
θ 5/14	3.3 pg. 151	2, 3, 7, 8, 19, 20, 22, 25, 27, 34, 35, 37	T 5/19, 4 PM
**** Quiz 3 (2.4, 2.5, 3.1, 3.2) ****			
T 5/19	3.5 pg. 165	1, 2, 5, 6, 8, 13, 15, 17-19, 21, 24	θ 5/21, 4 PM
	4.1 pg. 184	3, 5, 7, 11, 14-16, 23	
θ 5/21	5.1 pg. 226	2, 5, 7, 8, 18, 23, 25, 27	T 5/26, 4 PM
**** Quiz 4 (3.3, 3.5, 4.1) ****			
T 5/26	5.2 pg. 232	1, 2, 5, 10-13, 17, 19, 30, 35	θ 5/28, 4 PM
	5.3 pg. 240	3, 9, 12, 23, 24, 29, 31	
θ 5/28		Exam 2 Review	
!!!! Exam 2 (2.4, 2.5, 3.1 – 3.3, 3.5, 5.1 – 5.3) !!!!			
T 6/2	!!!!	Exam 2 (2.4, 2.5, 3.1 – 3.3, 3.5, 5.1 – 5.3)	!!!!
θ 6/4	5.4 pg. 250	7, 9, 11, 13, 15, 17, 33	T 6/9, 4 PM
	5.5 pg. 258	1, 2, 3, 6, 8, 11, 14, 15, 17, 20, 24, 31	
T 6/9	8.1 pg. 359	1, 4, 7, 8, 10, 11, 13, 17, 18, 20, 21, 22, 30, 37	θ 6/11, 4 PM
	11.1 pg. 502	1, 3, 5, 8, 11, 18, 21, 24, 28, 33	
θ 6/11	11.2 pg. 509	2, 4, 9, 10, 15, 17, 20, 23, 26, 29, 32	T 6/16, 4 PM
**** Quiz 5 (5.4, 5.5, 8.1, 11.1) ****			
T 6/16	11.3 pg. 517	1, 3, 6, 11, 12, 15, 17, 20, 22, 23, 28, 38, 41, 44	θ 6/18, 4 PM
	6.x (circles)	Handout	
θ 6/18		Review for final exam	
T 6/23		Final exam (comprehensive)	4 PM

COURSE DESCRIPTION: This is a formal course in Geometry covering the basics of several key geometry topics: lines, angles, polygons (triangles et. al.). You will be introduced to the concepts of congruence, similarity and deductive reasoning (proofs).

STUDENT LEARNING OUTCOMES: Students will be able to:

1. Prove geometric statements using classical axioms and theorems
2. Perform ruler and compass constructions
3. Make deductions using the rules of logic
4. Solve problems involving parallel lines, triangles, and angles

PREREQUISITE: C or better in MAT 152A and MAT 152B, or satisfactory score on assessment test. MAT 152B may be taken concurrently.

LEARNING DISABILITIES: If you have a certifiable learning disability that may affect your performance in this class, be sure to discuss your special needs with the Disability Resource Center (DRC) and myself during the first week of class. Learning disabilities will be accommodated and all information will remain confidential. **The DRC is located in room A205. Or call 530-541-4660 ext. 249. TTY for hearing impaired – call 530-542-1870**

FINANCIAL ASSISTANCE: If you need help paying for your books or other expenses, call our Financial Aid Officer, America Ramirez, at 541-4660 x236, email her at Ramirez@ltcc.edu, or drop by A100.

ACADEMIC DISHONESTY (CHEATING): Academic dishonesty of any form will not be tolerated. Students caught cheating on exams or quizzes will receive a **zero** on the assignment for the first offense and a course grade of F for the second offense.

Cheating will be defined as but not limited to: (1) using any method to copy another's work on an exam, quiz, or final (2) directly copying another student's homework assignment (3) using any method other than your own honest efforts to complete homework, quizzes and exams.

The following activities are NOT cheating: (1) collaborating with other students to complete homework assignments (2) working with math tutors or academic coaches to complete homework assignments (3) studying with other students for quizzes and exams.
