

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, Th	4:00 PM	5:50 PM

INSTRUCTOR: Bruce Brant

PHONE: 510-936-3211

E-MAIL: bbrant@mail.ltcc.edu

OFFICE HOURS: Tuesday 3-4 PM, Rm E106

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

CLASSROOM EXPECTATIONS: 100% focus on math! Be on-time. Be prepared. Respect your classmates. Please keep electronic devices turned off.

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 Mat152A and Mat152B, or satisfactory score on assessment test. Mat152B may be taken concurrently.

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

Homework	15%
Quizzes (5)	25%
Exams (2)	30%
Final (cumulative)	30%

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%

HOMEWORK: Homework should be completed prior to the beginning of the class after which it is assigned. However, as a courtesy to those with other commitments, I will accept homework up to the Tuesday after which it is assigned with no penalty. All homework assignments are listed in detail in the schedule at the end of this syllabus. Expect additional in-class assignments as necessary to insure comprehensive understanding.

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.

MAKE-UP/LATE WORK POLICY:

HOMEWORK 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.

QUIZZES: There are no make-ups for quizzes - however one 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.

ATTENDANCE: It is in your best interest to attend class regularly. If you miss a class, it is your responsibility to learn the material from that session on your own. I reserve the right to drop students who do not attend regularly or keep up with the work.

COMMUNICATION: You can communicate with me outside of class by office visit, phone or e-mail. I have a life outside of LTCC and cannot always respond as quickly as you might like. So don't wait until the last minute to get your issues resolved.

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.

MAT 153-01 Class Schedule

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