

EUCLIDEAN GEOMETRY
Mat 153-02 Syllabus

Fall 2013
TuTh 8:00-9:50AM
Room E 106

Judy Guinn
Home Phone: (775) 588-6413
Voicemail: (530) 541-4660 ext.476

REQUIRED TEXT: Elementary Geometry for College Students, 5th Edition, Brooks/Cole
Centage Learning

COURSE DESCRIPTION: This is a formal course in Geometry covering the basics of lines, planes, angles, triangles and congruence, the Pythagorean Theorem, similarity, and special right triangles. The methods of deductive reasoning will be studied in depth.

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:

Exam 1 (Chapters 1-2)	100 points
Exam 2 (Chapters 3-5)	100 points
Homework	200 points
Quizzes	75 points
Final (Cumulative)	<u>150 points</u>
Total=	625 points

Your letter grade will be based on your percentage of the total points. The total points possible are 625 points.

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

MAKE-UP POLICY: There are no make-ups for quizzes however one quiz score will be dropped, taking the best 3 out of 4 quizzes. Make-up for Exams and the Final will be assessed a 10% penalty if the absence is not excused. Students must contact the instructor in advance of the examination in order to arrange a make-up.

ACCOMMODATIONS FOR STUDENTS WITH DISABILITIES: If there is anyone in this class who has need for test-taking or note-taking arrangements through the Disabilities Resource Center, please feel free to come and discuss this with me. Students with disabilities who may need accommodations for this class are encouraged to notify the instructor and contact the Disability Resource Center (DRC) early in the quarter so that reasonable accommodations may be implemented as soon as possible. Students may contact the DRC by visiting the Center (located in room A205) or by phoning 541-4660, ext. 249 (voice) or 542-1870 (TTY for deaf students). All information will remain confidential.

HOMEWORK: Homework will be due on the dates provided in the schedule. Typically, homework for the sections covered each week will be due the following Tuesday, with a couple of exceptions. Each homework is worth 20 points, with two exceptions, as noted in the schedule. Late homework will be accepted one class period beyond the due date, with a 50% penalty, no exceptions. If you are unable to attend class, to avoid a late penalty you must turn your papers into my mailbox through the student mail-drop box, located near the Reprographics Room in the B wing of the college. I will check my mailbox at 10:30 AM on the days of instruction. Homework not turned in to my box by 10:30 AM on the days of instruction will be considered late.

OFFICE HOURS: A half-hour office hour will be arranged either before or after class as per student consensus and room availability. I will also be available by appointment as needed. You can contact me by voicemail by calling the college at (530) 541-4660 and leaving a message on extension 476, or, preferably, calling me at home (775) 588-6413.

TUTORING: Free tutoring is available in the Math Success Center. Schedules for tutoring will be handed out in class when made available to me.

Lecture Schedule Fall 2013, Mat 153-02

Day	Date	Lessons/ Homework
Tues.	9/24	Section 1.1, page 8: 3, 5-8, 13, 15, 17, 20, 22, 24, 25, 27, 33-35, 41, 43, 45, 50-52, 55
Thurs.	9/26	Section 1.2, page 18: 3, 7, 9, 11, 14, 16, 19, 20, 27, 28, 33-37, 39, 41, 42, 46 Sections 1.1 and 1.2 are due Tuesday, October 1st. (20 points)
Tues.	10/1	Section 1.3, page 28: 1, 2, 9, 10, 11, 14, 15, 17-19, 21, 26-28, 38 Section 1.4, page 37: 1, 5, 6, 10, 11, 14, 15, 18, 23, 28, 30, 31, 33, 34, 42
Thurs.	10/3	QUIZ #1 (SECTIONS 1.1-1.2) Section 1.5, page 44: 1, 3, 5, 7, 9, 12, 14, 20, 24, 25, 29, 32 Sections 1.3-1.5 are due Tuesday, October 8th. (20 Points)
Tues.	10/8	Section 1.6, page 52: 1, 5, 8, 11, 13, 15, 22 Section 1.7, page 58: 2, 3, 8, 10, 15, 18, 21, 26, 27, 29
Thurs.	10/10	Section 2.1, page 78: 1, 2, 5, 8, 9, 11-14, 24, 27, 28 Sections 1.6, 1.7, and 2.1 are due Tuesday, October 15th. (20 points)
Tues.	10/15	Section 2.2, page 84: 2, 5-7, 15, 19, 23, 25 Section 2.3, page 91: 2-4, 7-11, 15, 17, 21, 23, 25, 35
Thurs.	10/17	QUIZ #2 (SECTIONS 1.4-1.7, 2,1) Section 2.4, page 96: 3, 8, 9, 10, 13, 14, 16, 17, 19, 28, 31, 37, 42 Section 2.5, page 105: 4, 7, 9, 11, 13, 15, 18, 19, 37 Sections 2.2-2.5 are due Tuesday, October 22nd. (20 points)
Tues.	10/22	Review for Exam I Section 3.1, page 136: 1, 2, 4, 6, 8, 10, 11, 15, 18-20, 26, 27, 32, 35 Section 3.1 is not covered on Exam I. Homework for 3.1 is due October 29th. (10 points)
Thurs.	10/24	EXAM I (CHAPTERS 1 AND 2)
Tues.	10/29	Section 3.2, page 142: 2, 3, 9, 14, 15, 18, 23, 27, 34
Thurs.	10/31	Section 3.3, page 151: 2, 3, 7, 8, 19, 20, 22, 25, 27, 34, 35, 37 Section 3.2 and 3.3 are due November 5th. (20 points)

Tues.	11/5	Section 3.5, page 165: 1, 2, 5, 6, 8, 13, 15, 17-19, 21, 24 Section 4.1, page 184: 3, 5, 7, 11, 14-16, 23
Thurs.	11/7	QUIZ #3 (SECTIONS 3.1-3.3) Section 5.1, page 226: 2, 5, 7, 8, 18, 23, 25, 27 Sections 3.5, 4.1, and 5.1 are due November 12th. (20 points)
Tues.	11/12	Section 5.2, page 232: 1, 2, 5, 10-13, 17, 19, 30, 35 Section 5.3, page 240: 3, 9, 12, 23, 24, 29, 31
Thurs.	11/14	Section 5.4, page 250: 7, 9, 11, 13, 15, 17, 33 Sections 5.2-5.4 are due November 19th. (20 points)
Tues.	11/19	Section 5.5, page 258: 1, 2, 3, 6, 8, 11, 14, 15, 17, 20, 24, 31 Review for Exam II Section 5.5 is due November 21st. (10 points) Note: Sec. 5.5 is covered on Exam II
Thurs.	11/21	EXAM II (COVERS CHAPTERS 3, 4, AND 5, INCLUDING SECTION 5.5)
Tues.	11/26	Section 8.1, page 359: 1, 4, 7, 8, 10, 11, 13, 17, 18, 20, 21, 22, 30, 37 Section 11.1, page 502: 1, 3, 5, 8, 11, 18, 21, 24, 28, 33
Thurs.	11/28	THANKSGIVING HOLIDAY Sections 8.1 and 11.1 are due December 3rd. (20 points)
Tues.	12/3	Section 11.2, page 509: 2, 4, 9, 10, 15, 17, 20, 23, 26, 29, 32 Section 11.3, page 517: 1, 3, 6 (sin, cos, tan only), 11, 12, 15, 17, 20, 22, 23, 38, 41, 44 Section 11.2 and 11.3 due December 5th. (20 points)
Thurs.	12/5	QUIZ #4 (Section 8.1) Review for Final
Tues.	12/10	Optional review session (9AM until ???)
Thurs.	12/12	FINAL 8:00-9:50 AM (CUMULATIVE) You may bring a 5x7 study guide card.