

Reedley College Spring 2018

Math-102-52062 Plane Geometry Syllabus

MWF 12:00-12:50 PM (FEM 3)

Instructor: Maria Veronica Andrade-Romeo

Office: FEM 4A

Office Hours: TWTh 9:00 - 9:50

maria.andrade-romeo@reedleycollege.edu

Prerequisites: Mathematics 201 or equivalent

Course Description:

Plane Geometry consists of the study of points, lines and planes. This course will include an introduction to geometric reasoning, and the properties of angles, lines, polygons, and circles.

TEXT:

(Optional) Elayn Martin-Gay, Geometry, Pearson, 1st Edition, 2015.

Required Material:

1. MyMathLab access code for Geometry
2. A scientific calculator (you may not use your cell phone as a calculator)
3. A straight edge
4. Compass

Classroom Behavior:

1. Absolutely no cell phones (You may be dismissed).
2. Do not pack up early.
3. In general, be considerate. We are here to learn.
4. If you are tardy (less than 20 minutes) or leave early (less than 20 minutes) you will be marked tardy and tardies will count as half absences. If you are more than 20 minutes late or leave more than 20 minutes early you will be marked absent.

You may be dropped if:

- You have 3 or more absences at Noon on January 25, 2018
- You have 6 or more absences at Noon on March 8, 2018.
- You do not have PAID access to MyMathLab by NOON on January 25, 2018.

If you want to drop the class, you are responsible for making it official and dropping yourself on Webadvisor, do not rely on me to drop you.

Important Dates:

1/26/2018: Census-Last Day to ADD/Drop a full-term class

3/9/2018: Drop Deadline-Last day to drop a full-term class to avoid a letter grade

5/14/2018: 12:00 - 1:50 Final Exam

Grading:

90 - 100% = A 80 - 89% = B 70 - 79% = C
60 - 69% = D 0 - 59% = F

Tests: 70% **NO RETAKES**

Quizzes: 5%

Homework: 20%

Participation: 5% to receive credit for participation you must come to class, make your best effort to succeed and you may NOT be on your cell phone.

I do not round up grades, I will give you plenty of time to work on raising your grade yourself.

Testing

Follow directions, be prompt, NO CELL PHONES allowed, NO NOTES, Testing must be completed in a single sitting you may not leave the room once you have started. The SCCCD policy regarding ACADEMIC DISHONESTY will be applied when appropriate. **THERE ARE NO RETAKES.**

Academic Dishonesty

Cheating is the act or attempted act of taking an examination or performing an assigned, evaluated task in a fraudulent or deceptive manner, such as having improper access to answers, in an attempt to gain an unearned academic advantage. Cheating may include, but is not limited to, copying from another's work, supplying one's work to another, giving or receiving copies of examinations without an instructor's permission, using or displaying notes or devices inappropriate to the conditions of the examination, allowing someone other than the officially enrolled student to represent the student, or failing to disclose research results completely.

Plagiarism is a specific form of cheating: the use of another's words or ideas without identifying them as such or giving credit to the source. Plagiarism may include, but is not limited to, failing to provide complete citations and references for all work that draws on the ideas, words, or work of others, failing to identify the contributors to work done in collaboration, submitting duplicate work to be evaluated in different courses without the knowledge and consent of the instructors involved, or failing to observe computer security systems and software copyrights. Incidents of cheating and plagiarism may result in any of a variety of sanctions and penalties, which may range from a failing grade on the particular examination, paper, project, or assignment in question to a failing grade in the course, at the discretion of the instructor and depending on the severity and frequency of the incidents.

Students with Disabilities:

If you have any special needs addressed by the American Disability Act and need course materials in alternate modes, or alternate testing circumstances, it is your responsibility to notify me as soon as possible. Upon notification, immediate reasonable efforts will be made to accommodate your special needs.

Please refer to SCCCD policies for guidance on all matters relating to this course

Student Learning Outcomes:

Upon completion of this course, students will be able to:

1. Apply deductive reasoning with a geometric context.
2. Apply relevant definitions, properties, and theorems to geometric figures.

Course Objectives:

In the process of completing this course, students will:

1. use geometric reasoning to solve problems
2. use geometric reasoning in a proof.
3. demonstrate knowledge of triangle properties
4. demonstrate knowledge of similarity and congruence
5. demonstrate the correct usage of formulas for plane geometric figures
6. study geometric definitions and properties and how they relate to geometrical figures.
7. identify the properties and relationships of polygons among their angles, sides, and diagonals.
8. identify the properties and relationships of circles

Course Outline

- A. Reasoning
- B. Angle, Lines and Parallel Line Concepts
- C. Congruence and Similarity
- D. Area and Volume
- E. Pythagorean Theorem
- F. Triangles, Polygons, and Circles

Ms. Andrade-Romeo reserves the right to make changes the syllabus with whole class notification.