

High School of Sports Management

Robin Pitts, Principal

Math Department

Course Syllabus for Geometry

Course Instructor: Ricardo Estrada

Course Code: MGS41, MGS42, MGS43 **Room** 429 Mon-Fri

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Dear Student,

Welcome to a new semester of Math. I look forward to a productive semester! Below you will find out what our course is all about, the norms of our class and how your grade is determined.

Course Description:

This course will teach you how to apply what you learned in Integrated Algebra to content in Geometry and build a foundation for the next course Algebra 2/Trigonometry. You will learn to:

Investigate/Explore - Students will be given situations in which they will be asked to look for patterns or relationships between elements within the setting.

Discover - Students will make note of possible relationships of perpendicularity, parallelism, congruence, and/or similarity after investigation/exploration.

Conjecture - Students will make an overall statement, thought to be true, about the new discovery.

Reason - Students will engage in a process that leads to knowing something to be true or false.

Argue - Students will communicate, in verbal or written form, the reasoning process that leads to a conclusion. A valid argument is the end result of the conjecture/reasoning process.

Justify/Explain - Students will provide an argument for a mathematical conjecture. It may be an intuitive argument or a set of examples that support the conjecture. The argument may include, but is not limited to, a written paragraph, measurement using appropriate tools, the use of dynamic software, or a written proof.

Prove - Students will present a valid argument, expressed in written form, justified by axioms, definitions, and theorems using properties of perpendicularity, parallelism, congruence, and similarity with polygons and circles.

Apply - Students will use a theorem or concept to solve a geometric problem.

Course Textbook:
Prentice Hall's *Geometry*

Supplies: Students are **required** to purchase

- a section in your binder or a notebook to take notes on the videos that will be assigned
- Pens and pencils
- Students are to come prepared with these materials on a daily basis.

The following supplies are strongly recommended:

- a protractor (to measure angles)
- a compass (to draw circles)
- graph paper (4 boxes per inch)
- a ruler
- a Ti-83 or Ti-84 graphing calculator.

Grading Policy

- 40% Exams
- 30% Homework
- 20% In class assignments
- 10% Do now's

Exams (40%)

Exams will usually be given on Monday's. They will be announced in class. If an exam is missed due to an absence, it is the responsibility of the student to talk to the teacher about making up the exam. Each exam will be graded on a scale of 1 to 100 and will be weighted equally.

Homework (30%)

The homework will usually consist of two parts. For the first part, the student will watch a video lesson created by me and take notes. For the second part the student will complete a Google form that will assess whether the student got the gist (main idea) of the video and if the student did in fact watch the video attentively.

To get homework credit the student must complete the Google form by 6am of the due date.

The Google form will be graded as follows:

- 1 = Full Credit** Each question has been answered and all responses are correct
- .5= Half Credit** The student attempted all questions but answered 1-2 questions incorrectly
- NC = No credit** The student answered 3 or more questions incorrectly or left one or more questions unanswered

Not all homework will be video based. At times students will be assigned to complete a handout or textbook problems.

Also I will do random notebook checks that will count towards the homework grade.

In class assignments (20%):

Students will daily complete an in class assignment that may consist of a handout or an online based assignment. If the assignment is a handout the following rubric will be used to grade the assignment:

1 = Full Credit The student attempts every problem and follows all of the directions given on the handout. 90-100% of the solutions are free from mathematical and conceptual error.

.5= Half Credit The student does not attempt every problem (One or two questions are left unanswered) or 1-2 of the students responses are not free from mathematical and conceptual error

NC = No credit The student does not attempt 3 or more of the problems or most of the solutions given are not free from mathematical and conceptual error

Do now's (10%)

Students will complete a “Do now” the first 5-10 minutes of every class period. The “Do now” will be based on the previous night’s video so it’s imperative that students watch the videos by the due date. The “Do Now” will be checked so it is important to show up to class on time. Students will receive full credit for the do now if they are on time, have a writing instrument and the “do now” response is either correct or demonstrates that the student has understanding of the topic. If the student does not answer the “do now” or does not demonstrate understanding via a written response, the student will not receive credit for the “do now.”

What if the student is absent?

In the event that a student is absent all deadlines continue to apply to the student. The student can still complete the homework assignment via mrestrada.com and can download the in-class assignment from Engradeapro. In the case of extenuating circumstances a student may have deadlines extended but this needs to be backed up with a doctor’s note or other type of official proof.

Make sure you come daily. Class starts on time and ends when I dismiss the class. Missing one day means missing a lot of information that you need to complete in class assignments and perform well on exams.

Grading updates (Engradeapro)

Students are encouraged to regularly check (Everyday) their Engradeapro accounts for updates on grades, announcements or correspondence with the teacher. Engradeapro accounts will be updated on a weekly basis and are reflective of the student’s academic standing in the class.

Rules and Procedures of Geometry Class

Basic Rules

- 1) Uniform attire is required, at all times.
- 2) Once class begins there is no talking or walking around.
- 3) Respect each other and the environment. Do not curse.
- 4) No eating, drinking, or combing hair.
- 5) Always be prepared with your school supplies.

Consequences for breaking rules

1. 5 points off the next exam
2. Discussion with teacher.
3. Phone call home
4. Discussion with the guidance counselor and the teacher
5. Conference with parent.
6. Principal suspension
7. Superintendent suspension.

Procedures

1. Quietly walk into the room, hand in your ID for a calculator and find your assigned seat.
2. Copy the do now and get to work
3. After do now is completed we will go over it as a class and have a class discussion based on the do now and last night's video
4. After the class discussion students will begin the groupwork
5. After the groupwork we will have a wrap-up of the day's lesson
6. Class is dismissed when I say it is.

When you are tardy:

- You must have a pass to be excused. You will not be allowed in the room without a late pass. Chronic lateness and illegitimate excuses may result in the consequences listed above.

If you are not in full uniform:

- You will not be allowed in the room

Some ways to improve grade

1. Do homework daily. Watch the videos and take notes. Make sure you complete the google form only after watching the video. Remember homework is 30% of your grade! Make sure you try all the homework problems or you will not get full credit if you don't.
2. Study notes daily. Ask questions the next day if you didn't understand something in the video.
3. Make flash cards of vocabulary words and formulas daily and memorize vocabulary words.
4. Participate in class daily and stay focused in class. Don't talk to your neighbor unless you are doing groupwork and you are talking about the work.
5. Keep quiet and listen to the teacher. Follow instructions exactly. Come prepared to class with pen and paper.
6. Explain to someone in your family what you learned in class. If you can explain it correctly, and in detail, you should know it.