RAISBECK AVIATION HIGH SCHOOL

Class Syllabus for Math Analysis – Quarters 1 & 3 (2020 - 2021)

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**Classroom Goals**

Algebra is the foundation for all mathematical learning that follows. Math Analysis is a continuation in building that foundation with the ultimate goal of preparing you for Pre-Calculus and then Calculus. If you decide to take this class seriously and work really hard to develop good work habits, you will be more confident and more able to handle any future math classes. Math Analysis is intended to follow Algebra 2, and precedes Pre-Calculus.

By the end of this year, students will be able to accomplish the following at a more complex level than Algebra 2:

* Develop mathematical skills that can evolve and be adapted to new situations
* Interpret numerical information and use it as a basis for making decisions
* Find ways to solve problems that arise in real life

**Essential Math Questions**

* How is mathematics applied in the real world?
* How can we make connections and develop techniques for solving problems?
* How can patterns help us to learn math?
* How do you know if your answer is correct?

**Class Rules**

* Classes will be held via Zoom on Mondays, Tuesdays, Thursdays and Fridays. The links to these recurring class meetings will be found in the class Canvas website, located at <https://hsd.instructure.com/courses/27445> . Students should enter the meeting using their full name so that they can be recognized by the teacher. You are encouraged to have your video on – with the option of using a digital background screen – but it is not mandatory.
* All students have been issued a textbook but can also access a pdf copy using the link that is provided on the Canvas site. I recommend that each student download this free copy of the textbook so that they always have this resource available no matter where they are working.
* Pay attention and participate in class. If you need to leave for a quick break, just leave a message in the chat box and turn off your video and microphone.
* You are in charge of yourself during these Zoom classes. It’s a good idea to silence your cell phone and place it away from you. Do not play video games or search the internet while we have class.
* If you are absent, please check the Canvas site for all the notes, warm-ups, assignments and keys. You will also need to contact Ms. Hiranaka regarding your absence.

**Course Expectations**

* Students will work independently or with their peers in Zoom Breakout Rooms to complete various course assignments – collaboration, cooperation, communication and respect will be essential for individuals to be successful.
* Students will strive to be self-motivated and stay on task daily. **If you need help, there will be Office Hours on Tuesdays and Fridays from 2:30 – 3:30 PM.** The Zoom links are located in the Canvas site.
* Time is given in class to work on the assignments, but students should use their asynchronous time during the day to complete the work. All assignments will be submitted through the class Canvas site. It helps if a student downloads a free scanning app to their smart phone. Photographs of the work are okay, but difficult to decipher.
* Because we are compressing an entire semester into one quarter’s time, students should expect one to two math lessons per day, with an assignment associated with each lesson. I will post the assignments in Canvas with a due date of **one day later**. That due date is meant to imply that students should have the assignment completed the next day in order to keep up with the pace of the class. I will accept assignments an additional day later at full credit, but after that the grade will be decreased. **After one full week has passed, the assignment will be closed on Canvas and students cannot submit for credit.**
* If a student needs extra time to complete an assignment, you may make arrangements with me to extend the due date.

**Grades**

When I “grade” assignments, I am looking for completion rather than accuracy. I look to see if you tried all of the problems, and **if you showed your work**. I learn a lot from looking over your work, but I cannot take the time to actually grade for accuracy. Besides, I want your assignment experience to be a chance to practice your skills without worrying about how it might affect your grade. We will discuss the assignments during class and that is the time to check your understanding.

Grading Scale: Grades are assigned as follows:

89.5% - 100% A 69.5% - 79.4% C 0% - 59.4% NC or F

79.5% - 89.4% B 59.5% - 69.4% D

Relative Values: Assignments will have point values that approximate the following percentages

Warm-Ups, Assignments 30%

Chapter or mid-Chapter Tests 50%

Final Semester Exam 20%

Total 100%

**Classroom Procedures**

Paper, Pencil, Spiral Notebook (or Composition Book or Three-Ringed Binder): Even though all the notes are provided on Canvas, it is still important that students take their own notes during class. The physical act of taking thoughtful notes helps strengthen the learning.

Test retakes:

Students are allowed to retake any test for which they earned below an 80%, but the maximum grade they can earn on the retake is 80%. Retakes must be scheduled for Wednesdays during a student’s asynchronous time and they must be completed within two weeks of taking the test. I recommend that you study with me during Office Hours before you retake a test. I also recommend that you write down the problems you missed on a separate sheet of paper and try to solve them. It’s very deceiving to just look at your corrected test instead of trying the problems on your own. Many students who do this earn the same or even lower score on the test retake. That’s a waste of your time and mine.