

Math Analysis Honors Course Syllabus

Instructor: Fabella
Room: E-203
Office Hours:

Email: trang.fabella@sausd.us
Phone: (714) 241 - 5000
School Website: www.sausd.us/segerstrom

Course Description:

Students enrolled in Math Analysis are assumed to have mastered Algebra 2 and some exposure to Trigonometry. The content of this course serves as appropriate preparation for a Calculus course. Math Analysis develops students' understanding of:

- Algebraic and transcendental (such as exponential and logarithmic) functions
- Systems of linear and non-linear equations in two and three variables
- Sequences and series
- Basic probability and statistics
- Analytic geometry (conic sections)
- Properties of and algebraic analysis involving trigonometric functions
- Limits and other foundational calculus concepts

Pre-Requisites

Students have the best chance for success in this course if they have earned a B or better in previous Algebra 2 Honors course.

Textbook

Larson, Ron, Robert P. Hostetler, Bruce H. Edwards, Pre-Calculus with Limits: A Graphing Approach. Boston, Houghton Mifflin Company, 2006.
Additional supplemental books will be provided for students.

Materials

- Pencils and erasers
- Pens and highlighters
- **Graphing Calculator** (TI-84 Recommended)
- **Spiral bound notebooks**
- 1 3-ring binder
- Textbook
- White board pens

Grading:

Your final grade will be cumulative throughout the semester using the following scale:

A: 90-100% B: 80-89% C: 70-79% D: 65-69% F: 0-64%

- **90% of the final semester grade** will be based on Tests* which include Quizzes, School Benchmark Assessments, and Final Exams
- **10% of the final semester grade** will be based on Participation, Homework, Class work, and Projects.

*All students are expected to be in class for all tests and quizzes. There will be one make-up/re-take test at the end of each six-week grading period. (Excluding Final exam)

Homework Policy: Along with the school-wide homework policies, the following must be adhered:

- All homework assignments are worth 20 points.
- All homework assignments will be done in a bounded notebook.
- You are expected to attempt every homework problem.
- There will not be much time in class to work on homework questions with classmates. Forming study/homework groups is highly recommended.
- Homework will be checked everyday at the beginning of the class period.
- Stamp sheets will be collected when they are full. (do not lose it, or you will earn a zero)
- A question that requires a graph to answer must have the graph on your homework. **The graph is to be sketched on graph paper and taped/glued onto your paper.**
- On the last page of your homework assignment, you must **sign the word “Integrity”** and then your name. If somebody helped you with your homework, his or her name(s) must be written next to yours.
- Late homework is accepted and must be turned in within **2 days; write “LATE”** at the top and assignments are worth a maximum of 10 points.

Citizenship

Students are expected to be respectful to the teacher and other students. The school-wide citizenship policy will be followed.

Honesty and Integrity

Cheating will not be tolerated in Math Analysis Honors. Any instance of cheating will result in a zero for the assignment and an immediate referral to the office.

Discipline

The school-wide progressive discipline plan will be followed.

No cell phone/electronic surfing zone. Students will be held accountable for staying on task individually as well as in groups.

Sign and return by _____

I have read and understand the academic expectations and classroom policies.

Student Name (printed) _____ Period _____

Student Signature _____ Date _____

Parent Name (printed) _____ () - _____

Parent Signature _____ E-mail _____