

Math Analysis Course Syllabus: 2015-2016 School Year

Instructor: Mrs. Buena
Class location: Rm 54
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Office Hours: 7:30am-8:00am everyday, lunch/afterschool varies

Course Rationale and Description:

Math Analysis is a challenging and rigorous course of study that is intended to provide the mathematical background needed for calculus or other advanced mathematics. Students who are considering pursuing degrees in science, engineering, economics, business or finance will need to take calculus and/or statistics in high school or college. Students will work with complex equations and study advanced trigonometric applications and identities. Emphasis will be placed on graphical interpretation of functions and creative problem solving will be stressed.

Course prerequisite

Successful completion of Algebra II with a "C" or higher

A. THE BIG PICTURE

The short version of the classroom rules goes as follows: Respect yourself, respect classmates, respect the teacher, respect the property rights of others (including the school), respect the instruction rights of the teacher and the learning rights of the students.

B. THE LEARNING ENVIRONMENT

1. Do not bring inappropriate items to class. Food, drinks, phones, and entertainment devices are some things that are inappropriate. Water in a transparent container at your desk is acceptable.
2. Be ready to work when the tardy bell rings.
3. Respect the educational rights of those around you.
4. Respect the property rights of those around you.
5. Remain in your seat until dismissed by the teacher.
6. Remember that you are responsible for your actions and that all school rules apply at all times.

C. Make-Up Work

Refer to the schedule to know what topics and activities you're missing. Have a "study-buddy" to keep you informed of what you missed. It is your responsibility to get notes, schedule makeup tests, and get help if needed.

1. **Homework and class work.** You are allowed one day additional per absence to turn in assignments when you are absent.
2. **Unit tests.** A make-up test must be completed before the subsequent Test Correction activity. See the unit schedule so you know when that is. Make-up tests must be completed before or after school. If the make-up test is not completed before the next Test Corrections, the test score will be recorded as a zero.
3. **Test Corrections.** Corrections for a given unit test must be done before the deadline. Failure to make up this work in the given time renders the credit forfeit.

D. GRADING

1. **Academic Grade.** Points are given for daily assignments, projects, unit exams, and the final exam. Exam and quiz scores represent 80% of the grade. Everything else is worth 20%. Each grade given reflects completion of work, understanding of content standards or both. Students develop

understanding of the standards through interactive class discourse. Grades are based on the percentage of points earned out of the total possible. The grading scale is as follows.

100% - 90% = A

89% - 80% = B

79% - 70% = C

69% - 60% = D

59% - 0% = F

- 2. Summative Tests:** Summative tests are designed to evaluate your proficiency at the end of a unit. You must be prepared for these tests on the day they are scheduled, as there are no opportunities to retake any summative tests.
- 3. Extra Credit:** You may request extra credit ONLY if all previously assigned work is turned in.
- 4. Late Work:** I do not accept late work for credit (unless the student has an excused absence). Any late work that is turned in will be marked "late" in the grade book and receive a score of zero. However, turning in late work makes you eligible for extra credit.
- 5. Cheating.** Cheating on any assignment, activity, homework, quiz, lab, test, or exam is a serious violation of classroom and school policy. Please refer to your Student Handbook for the definitions and school consequences of cheating.
- 6. Posting.** Detailed grade reports are posted online regularly. If you have any questions about a grade, ask sooner rather than later.

E. OTHER INFORMATION

- 1. Homework.** Homework is assigned nearly every day, and checked for effort and completeness. Most homework assignments are due 2 or more days after it is assigned to give you the opportunity to ask questions.
- 2. Notecards.** A notecard or formula sheet will be allowed for certain quizzes or tests. You will be informed ahead of time.
- 3. Materials**
Graphing calculator (TI-83 or better recommended), paper, whiteboard marker, pencil, highlighters, pens
- 4. Passes.** During direct instruction and test periods, the hall pass is to be used only in emergency situations. You are given 3 passes per quarter, and if you lose them or need more you will be required to spend 10 minutes at lunch or before school in class.

Hints for Success in Math Analysis

- Prepare for class. It is VERY important that you read and study all that you are assigned.
- Participate in class (take notes, ask questions, work with your group)
- Review what you learned in class
- Remember the goal of an assignment is to understand the material, not just get it done. Treat all assignments like practice tests.
- Be responsible for yourself: Ask questions before or after class or school. Sometimes 5 minutes can make a difference.
- Communicate! You are your own best advocate. If there is something that you need or don't understand... seek help aggressively!
- HAVE A POSITIVE ATTITUDE!
- DO NOT tell us how much you dislike the subject at hand. A sign of maturity is to try to do your best at all tasks you must undertake, whether you like them or not. ☺

Student and Parent “Letter of Understanding”

I have read and I do understand the Classroom Policies and Expectations for Math Analysis.

Student Name and Signature _____ Date _____

Parent Signature* _____ Date _____

*Please see Parent Notes

Parent email address (optional): _____

Phone Number(s): _____

Comments or other information (optional):

Cut here

PARENT NOTES for Mrs. Buena’s Math Analysis course

1. Contact info

I can best be reached via email at ebuena@nmcusd.org or at phone number (831) 633-5221 ext. 290. Please provide your email address and phone numbers on the Student/Parent letter of understanding page of this document to better facilitate communication.

2. Student progress

Student progress is updated at all marking period intervals throughout the year and can be monitored from the website <https://illuminatehc.com/nmcusd>. **IT IS IMPORTANT THAT YOU MONITOR THE PROGRESS OF YOUR SON OR DAUGHTER THROUGHOUT THE YEAR!**

3. Improving student performance

The most important and most effective measure you can take as a parent of a student in Math Analysis is to monitor your son’s or daughter’s completion of daily homework assignments. Your son or daughter can show you the schedule of daily assignments for each unit and should be able to show you that each assignment has been completed. The long-term reward for consistent homework completion is challenging to high-school students. The lack of immediate gratification for daily work is something they may not be accustomed to. Without your oversight, your son or daughter may be inclined to slip behind in their work.