

Math Analysis - Syllabus 2026-2027

Instructor: Neil Whitehead,
Email: neil.whitehead@asfm.edu.mx,
Availability: PLT Hours

Course Description:

Math Analysis is a rigorous one semester math course that prepares students for math necessary for AP Calculus BC and courses beyond AP Calculus. This course is designed to prepare students who are considering a career in science, technology, engineering or mathematics.

Instructional Materials:

The following materials and supplies will be needed **daily**:

- TI-Inspire Graphing Calculator
- Pencils and Eraser
- Notebook (Regular lined or Grid Paper is fine)
- Laptop Electronic Device (iPads or other tablets are also okay)
- Colored Pencils (Not required but Helpful)
- Bring one packet of Printer Paper for class. That way we will not run out of paper when we have a test.
- One packet of dry erase markers
- Have your own personal stapler with you so you can quickly finish your test and staple it together when we have an exam.

Canvas: Checking Canvas on a regular basis will be vital to your success in class. I will post information on when we will be having a test, when things are due, homework and in class assignments and useful resources that you can use to reinforce the topics discussed in class. In addition, links and embedded Youtube Videos from each class will be posted here. Most of the items in Canvas will be linked to mrwhitehead.com so students can also access that site directly. The password is Eagles

Classroom Procedures

1. Make sure you are here, on time and ready to work when the bell rings. Being on time means that you are seated, opening your notebook and getting ready to work.
2. **Homework/In-Class work and Notebook:** Both Homework and ClassWork will be collected as an assignment in Canvas. This means that you will just take a photo or use **GeniusScan (app)** to make a .pdf and submit it to the google folder. This will be the way for me to see that you are putting in the time and effort required out of this class.

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You should be regularly completing and submitting the Homework for class in Canvas. Homework is considered completed when it is turned in on Canvas.

Notebooks, I highly suggest having a dedicated notebook for Math Class so that you can take notes and do examples during class. An organized notebook with all the required notes is another way to make sure that you are eligible for retakes.

3. Tests will be given to you on paper, it is your responsibility to have a calculator (if necessary) and to have a working pencil. **For Pre-Calc ONLY** you will write your answers and display your work on a **separate** sheet of printer paper, you will be required to organize your work neatly and turn it in to me within the time allotted.
4. Pre-AP Pre-Calc has a Google Chat created for the group. This Google Chat will be used for questions about Math and about upcoming deadlines and tests for class. It is okay with me if you message me with questions about the homework. I recommend taking screenshots or photos of a problem you are having trouble with and I can get back to you as quickly as possible with an answer.
5. **3 Before Me:** (1) Check your notes (2) Ask someone else in class (3) Google the concept to see if there is useful information online.
Note: This is not because I don't want to help you, it is meant to help you develop your own independence as a learner.
6. If you miss a class due to an illness or another reason, you will have to watch the **Youtube Video** that accompanies each and every lesson for class. It is your responsibility to watch this on your own time and to complete the accompanying homework in order to stay on track with the work. If you do not do this, you will fall behind quickly and this will make it hard to keep up with the material being covered.
7. Most importantly, treat everyone, including the environment, with respect. We are all here to learn together. We should use each other's strengths to grow as mathematicians and individuals.

Grading:

You will be required to have a 3.0 on all LLOs for the Quizzes to be eligible to take the summative Exam and have a chance at a 4.0 on the Summative. This means that when you need to Retake a standard from a Quiz you need to either use the designated time in class to do this or come in during FLEX/PLT time to retake any standards below a 3.0 **before** the summative.

The Unit Tests will give you a chance to get to an E. These tests will take the whole period (70 or 80 Minutes) and will have more complicated problems dealing with the ULOs for each unit. This will be your **only opportunity to get a 4.0 on the ULOs**. Any Retakes will be reserved for getting your grade up to a 3.0, and you will only get one opportunity for any ULOs below a 3.0 to bring them up to a 3. If you fail to do that on the retake, you fail the standard and are in danger of failing the course.

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Scope and Sequence:

The semester will be divided into 4 units. The themes are as follows:

Limits and Continuity

Sequences and Series

Parametric and Vector Valued Equations

Polar Curves

