Course Description:

The purpose of Math Analysis is to further generalize the concepts learned in Algebra 2AB. Students will deal with problems which require critical analysis in order for the solution to present itself. In my particular course, there WILL be proofs required for the student to know. In addition, the course satisfies all LAUSD and ESLR (Expected School-Wide Learning Results) requirements.

The following topics will be covered in the course:

Chap. 1 – Algebra and Coordinate Geometry
Chap. 2 – Functions and Graphs
Chap. 3 – Polynomials and Rational Functions
Chap. 4 – Exponential and Logarithmic Functions
Chap. 5 – The Trigonometric Functions
Chap. 6 – Analytic Trigonometry
Chap. 7 – Trigonometric Functions and Triangles
Chap. 8 – Systems of Equations (Matrix Theory)
Chap. 9 – Analytic Geometry
Chap. 10 – Roots of Polynomial Equations
Chap. 11 – Additional Topics in Algebra & Trig.

The grading scale is as follows:

<table>
<thead>
<tr>
<th>Grade</th>
<th>Work Habits (Homework)</th>
<th>Cooperation (Abs+Tardy)</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>85%</td>
<td>E 0 to 3</td>
</tr>
<tr>
<td>B</td>
<td>75%</td>
<td>S 4 to 8</td>
</tr>
<tr>
<td>C</td>
<td>65%</td>
<td>U above 8</td>
</tr>
<tr>
<td>D</td>
<td>55%</td>
<td>Fail below 55%</td>
</tr>
</tbody>
</table>

The grading distribution is (approximately) as follows:

<table>
<thead>
<tr>
<th>Component</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tests</td>
<td>35%</td>
</tr>
<tr>
<td>Quizzes</td>
<td>20%</td>
</tr>
<tr>
<td>Midterm</td>
<td>10%</td>
</tr>
<tr>
<td>Homework</td>
<td>15%</td>
</tr>
<tr>
<td>Final Exam</td>
<td>20%</td>
</tr>
</tbody>
</table>

Student Responsibilities:

- If you miss a quiz or test, it is your responsibility to come in and make it up. DO NOT take forever to make up a test or quiz. I will give you 2-3 days upon your return to do it, either before school @ 7am or during lunch or nutrition, if there is enough time. In general, I do not allow make-ups during class time, since I do not want you to miss the material for that day. If you do not make up the test or quiz, the grade will be a zero (0 %).
- If you are absent from class, it is your responsibility to find out what you missed and what was done in class. I will not try to hunt you down to inform you of missed work. Refer to your assignment calendar, or just ask a classmate. Since I have a web site, this can also be accomplished online. If homework was collected during your absence, it is your responsibility to turn in the homework, as soon as you return to school with an absence slip.
- If you’re having problems with the material, then come and talk to me about it so we can get some extra help. I get to school early, so I’m available before school. In most cases, I’m also available during lunch.
- I expect you to act in a mature fashion while in my class. This includes being on time, quiet, and respectful of your fellow classmates and me. Being tardy shows disrespect for everyone involved since it interrupts the flow of the class.
- I expect you to do whatever it takes to stay on top of things in my class. You may want to exchange phone numbers with another person just in case.
- I expect you to remain in your seat during class. Do not get up to throw out trash, gum, or anything else that you don’t want. This can be done at the beginning or end of class.
- I expect you to be ready for class when the bell rings. Therefore, sharpen your pencil BEFORE the bell rings. I have two sharpeners in class for your use, so use them. INSTEAD OF TALKING TO YOUR FRIENDS IN THE HALLWAY, GET READY FOR CLASS!!!!!
I will not provide you with the materials that you need on a daily basis. If you have a problem with being prepared for class, then I will assign you lunch detention.

**Test / Quiz Make-Up Policy:**

If you miss a test or quiz, it is your responsibility to come in and make it up @ 7 am ASAP, or during lunch if there’s enough time. I will not track you down to remind you of your responsibility. Tests and quizzes are announced well in advance, so there’s no reason for you not to know that a test or quiz is coming up soon.

**Calculator Policy:**

Calculators are NOT allowed at any time during tests or quizzes in my class. This includes the final exam at the end of the semester. This is a policy set forth by the entire Math Department. Calculators do not make you a stronger mathematician or a better student. It takes away from the thinking process and the computational aspect of mathematics.

**Cell Phone / Ipod Policy:**

Under no circumstances will I allow the use of Ipods or cell phones during my class. If one goes off during class, I will confiscate it and you can pick it up after school from the Deans office. To avoid this hassle, turn it OFF before you enter my classroom. This includes playing games, checking for messages or using it as a calculator. The policy of ECR says that cell phones or beepers are NOT to be used during the school day.

**Tardy Policy:**

If you are in the habit of coming to class late, it WILL affect your grade. If you are late on the day of a test or quiz, you will not be able to take the test during the period. You must come in and take it during lunch that same day. I will decide on a case by case basis if the student will take the test during the class or during lunch. If the student is 15 minutes late, then no, but if only 1-2 minutes late, then probably yes. This rule is only to enforce the philosophy that punctuality is a necessity, not an occasional occurrence. If you’re late for a job, they’ll fire you!!! Right now, school is the most important job you have, and believe me you don’t want to get fired from school. There’s a really easy solution to all these rules regarding tardiness… BE ON TIME!!!

**Field Trip Policy:**

From time to time, there are students who wish to go on a field trip for various reasons. It is my belief that if a student if receiving lower than a ‘C’ in any class, that student should attend the class in which the low grade is received and not go on the field trip. I strongly recommend that you consider what you might be missing in my class when deciding if you go on the field trip or not.

**Late Homework Policy:**

Homework will be accepted at most 1 day late for half credit only. After that, it will NOT be accepted.
To The Parents:

I have a web site for my classes. It contains the grades, which can / will be accessed thru AERIES, and attendance of each student in the class as well as assignments. The address of my web site is:

http://faculty.piercecollege.edu/pederst/ecrwebsite/index.html

It can obviously be accessed at anytime, however, I will update it on a weekly basis (roughly) or when needed. I encourage you to take advantage of this. It will keep you more informed about the status of your child. In addition, you can contact me at: t.pedersen@ecrchs.net

The only way to become successful at mathematics is to do mathematics. Therefore, if you think that mathematical osmosis is a reality, I’m sorry…it’s not! You have to work out the problems to become proficient at the subject. Otherwise you’re just wasting your time. Be patient, nothing is fully understood the first time, it takes time. Have a great semester, and good luck!!!

Parent Signature: _________________________________________ Date: _______________________

Student Signature: _________________________________________ Date: _______________________

Student Print Name: _________________________________________