Contact Information

Instructor: Ms. Wragge
E-mail: Brenna.Wragge@ops.org
Office Phone Number: (402) 557-3400
ext. #3328807#
Plan Periods: A3 and B6
Office/Classroom Room 260/135
Best times to contact: During my plan periods or email

Course Description

This course includes topics of mathematics that are necessary for the successful study of calculus. Topics include right triangle trigonometry, trigonometric functions and identities, logarithms, and graphs of rational and polynomial relations and functions. Students enrolling in this course should have successfully completed both semesters of Algebra 3-4 with passing grades. Sophomores and juniors who want to move onto calculus must work towards an A in this class. Students who end the year with a B or C will take Statistics. Students with a D or F should either retake PreCalc/Trig or take Math Analysis.

Instructional Philosophy

This is a college preparatory course. This course will open your mind to different aspects of math that you have not explored yet. Be ready to open your mind and accept the challenge.

Major Units of Study

Semester 1

<table>
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<tr>
<th>Unit</th>
<th>Chapter in Book</th>
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<tbody>
<tr>
<td>Unit 1 – Triangle Trigonometry</td>
<td>Chapter 4</td>
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<tr>
<td>Unit 2 – Radians/Degrees and the Unit Circle</td>
<td>Chapter 4</td>
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<tr>
<td>Unit 3 – Trig Identities and Equations</td>
<td>Chapter 5</td>
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<tr>
<td>Unit 4 – Graphing Trig Functions</td>
<td>Chapter 4</td>
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<tr>
<td>Unit 5 – Systems of Equations &amp; Matrices</td>
<td>Chapter 6</td>
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Semester 2

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<tr>
<th>Unit</th>
<th>Chapter in Book</th>
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<tr>
<td>Unit 6 – Functions from a Calculus Perspective</td>
<td>Chapter 1</td>
</tr>
<tr>
<td>Unit 7 – Power, Polynomials &amp; Rational Functions</td>
<td>Chapter 2</td>
</tr>
<tr>
<td>Unit 8 – Exponential &amp; Logarithmic Functions</td>
<td>Chapter 3</td>
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<tr>
<td>Unit 9 – Sequences and Series</td>
<td>Chapter 10</td>
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Required Materials

- Writing Utensil
- Notebook
- Textbook

Recommended

- Scientific Calculator
- Graphing Paper

Classroom Expectations

**Grading Practices**

**Summative** (65%)—Unit Tests & Final

**Formative** (35%)—Quizzes (1-3 per unit) & Average Practice Grade (1 per unit)

**Practice** (0%)—Assignment Tracker

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<tr>
<th>OPS Grading Scale 2018-2019</th>
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**Food/Drink**

Individual snacks/drinks only. Please be appropriate. If this becomes an issue, privileges will be revoked.

**Electronics**

Cell phones should be out of sight during lecture and group work. If this is an issue, your parents and/or administrator will be contacted. **No cellphones may be out during a test.** If you are on your cell phone, I will assume you are cheating.

School computers are used for educational purposes only. It should be put away unless we are using it for a class activity or assignment.

**Academic Dishonesty**

Cheating, in any form, will not be tolerated. If I sense any degree of academic dishonesty in your work, I will investigate. If I discover evidence of cheating, you will receive a zero (0) for the assignment, quiz, assessment, etc. and may have additional consequences.

**Absences**

It is important to come to class EVERYDAY. If you know you are going to be absent for a school activity, you need to get the homework and assignments ahead of time. I am here to help you so please ask. If an absence occurs on a quiz or test day, the student is responsible to make arrangements to make up the quiz or assessment after school. Tests and quizzes may NOT be made up during class time.

**redoing/late coursework**

- **Assignments**—Students are expected to complete coursework on time. Late assignments will be missing “M” which calculates as a zero in Infinite Campus until completed. Redone and late assignments will be accepted for full credit until the day of the unit test.
- **Quizzes**—Students are expected to redo or make up quizzes before the unit test.
- **Tests**—Tests can be made up and redone for 3 weeks after the day of the unit test.

**Homework help room**

Tutoring and test & quiz make up

Room 264

Open 3:15-5:00 Tuesday-Friday

I will be there Thursdays & Fridays

Highly recommended if you are struggling