

# Honors Pre-Calculus Syllabus Centennial High School

<b>Course #:</b> 5331; 5332	<b>Teacher Name:</b> Ms. Siegienski
<b>Course Name:</b> Honors Pre Calculus	<b>Room Number:</b> W502 <b>Phone #:</b> 763-792 -5132
<b>Semester 1</b> <input checked="" type="checkbox"/> <b>Semester 2</b> <input checked="" type="checkbox"/>	<b>E-Mail:</b> tsiegienski@isd12.org
<b>Prerequisite:</b> Honors Advanced Algebra 2 or a "B" or higher in Advanced Algebra 2	<b>Credit Earned:</b> .5 credit per semester

## Course Description:

Honors Pre Calculus is an advanced math course designed for students with a high aptitude in mathematics and is required for AP Calculus. Trigonometry concepts are covered extensively throughout this sequence. Students will discover, organize, and reason while building knowledge in advanced math concepts and see that it is useful in many occupations. Students will use critical thinking to recognize and analyze assumptions

## *Topics by Semester*

### Pre Calculus 1

Topics from Algebra  
Polynomial Functions  
Rational Functions  
Exponents  
Logarithms  
Systems of Equations  
Systems of Inequalities  
Matrices

### Pre Calculus 2

Sequences and Series  
Probability  
Trig Functions  
Analytic Trig  
Application of Trig  
Analytical Geometry  
Limits

## Course Objective:

- To prepare students for post-secondary education
- To prepare students to apply algebraic principles to real-world situation
- Communicate mathematics through cooperative learning, investigations, and writing.
- Apply concepts that will create better problem solving strategies.
- Develop logical reasoning and critical thinking skills

## Classroom Expectations:

- Be on time to class.
- Be prepared for class (Book, notebook, pencil, and calculator)
- No talking while the teaching is talking. Be polite to other students when they are contributing to the class discussion.
- Use class time wisely.
- Obey school rules.
- Remain in (or near) your seat until the period ends. Do not line up at the door before class ends

**Schoology:** This Honors Pre-Calculus is available on Schoology, the code is listed in the first day notes and on my district web site.

**Assignments are considered late after the chapter test that includes the section in question and may be accepted for partial credit.**

## Attendance:

ATTENDANCE POLICY as stated by Centennial School Board Policy #6020.

### *Philosophy*

The school board believes that regular school attendance is directly related to success in academic work, and establishes regular habits of dependability and responsibility important to the future of all students. Classroom experiences are both meaningful and essential components of the learning process. Regular class attendance instills self-discipline, exposes students to group interactions with teachers and fellow students, enables students to hear and participate in class discussions, and involves students in educational experiences not available in other circumstances. Make-up assignments can never fully replace the learning experience students miss when they are absent from class.

*Consequences of Non-Attendance*

- Two or more unexcused absences in a semester period (18 weeks) will result in consequences to be determined by administration.
- **Three unexcused tardies are equivalent to one unexcused absence**

**Behavior:**

Behavior issues that have a negative effect on learning will not be tolerated and will be dealt with on a case by case basis. Parents will be contacted if needed.

**Materials Needed:**

Text: Pre Calculus Functions and Graphs 10<sup>th</sup> edition  
 Graphing Calculator: TI84 recommended

**Retakes:**

Students may retake tests/quizzes based on the following criteria:

- all assignments must be complete prior to original assessment (i.e. be prepared the first time)
- all re-assessments must be complete within 2 weeks of original or via teacher discretion
- complete an individual remediation plan determined by the teacher prior to re-assessment

**LEAP:**

Leap is a time for students to relax, join a club and get academic support. There are testing centers for each of the four core subjects. Students may go there to get extra help or make up a missed tests. When a student is absent on a day there is a test, they will have 2 weeks to make up that test. If they don't make it up with the teacher within that time, they will be required to go to the testing center during LEAP.

**Pages/Cell Phones/Electronic Devices:**

Pagers, cell phones, CD players, headphones, games and other electronic devices ***must be turned off and out of sight during class time*** because they are disruptive to the learning atmosphere of the classroom. Violation of this guideline will result in the confiscation of the equipment by school personnel.

The school will not be responsible for damage to or theft of any electronic equipment that students choose to bring to school. Laser pointers are not allowed in the school building because of their association with possible seizures and other health concerns.

<b>GRADING</b>	
A = 100 – 93	C- = 72 – 70
A- = 92 – 90 (Exemplary work – 90%-100% mastery of subject goals)	D+ = 69 – 67
B+ = 89 – 87	D = 66 – 63 (Mediocre work – 60%-69% mastery of subject goals)
B = 86 – 83 (Proficient/thorough work – 80%-89% mastery of subject goals)	D- = 62 – 60
B- = 82 – 80	NC = 59 – 0 (Unacceptable work – less than 50% mastery of subject goals)
C+ = 79 – 77	
C = 76 – 73 (Acceptable work – 70%-79% mastery of subject goals)	

**I have read and understand the expectations, objectives, responsibilities and grading for this class.**

Student Name : \_\_\_\_\_ Student Signature: \_\_\_\_\_  
Print Name

Parent Signature: \_\_\_\_\_ Date: \_\_\_\_\_