

## 2019-2020 Course Syllabus Pioneer High School

**Course Title:** Pre-Calculus  
**Instructor:** Mr. Ryan Hansen  
**Room:** C323

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**Introduction:** Welcome to Precalculus! The second semester marks my debut with Pioneer High School. It is a true privilege to be working at Ann Arbor Pioneer and I am excited to dig in and work collaboratively with all my new students. Please note, however, that I am not new to AAPS or teaching mathematics. In fact, I have been teaching mathematics for more than 16 years. More information on my credentials and background can be found via my website: [www.HansenMath.com](http://www.HansenMath.com)

I strive to provide the opportunity and atmosphere for students to express themselves and learn everything they can. I will make myself available to answer student or parent questions in a timely fashion. I will do my best to answer any question I am asked - within reason - or find the answer.

### **Grading Policy:**

**Classwork and Homework Assignments (15% of quarter grade)** will be given and it is expected that each assignment will be completed by the next class meeting so that questions concerning the exercises may be asked and answered. Time will often be allotted in class for students to begin homework; to work together and ask questions before departure. Daily assignment completion will be monitored by in-class checking or by using homework quizzes. *\*If absent, it is the student's responsibility to ask for missed work and/or consult my website.*

**Quizzes (35% of quarter grade)** provide an opportunity for students to demonstrate proficiency over a smaller amount of material, generally 2-3 sections. Quizzes will generally be administered once a week.

**Tests (50% of quarter grade)** provide an opportunity for students to demonstrate mastery over an entire unit of material. Tests will generally be administered every 2-3 weeks, or whenever a unit has been thoroughly investigated.

A cumulative district **Final Exam** is administered at the end of the semester (**15% of semester grade**).

### **Supplies:**

Students should bring to class the following items daily:

- Textbook
- Graphing Calculator
- Pencil and lined paper
- Folder/binder to organize and save paperwork
- Previous day's assignment, if applicable

### **Topics of study:**

- Law of Sine/Cosine, Vectors
- Linear Systems and Matrices
- Sequences, Series, and Probability
- Conic Sections, Parametric Equations, Polar Coordinates
- Analytic Geometry in 3-D
- Limits and Intro to Calculus

*~ Be Respectful, Be Responsible, Be Reasonable ~*

**Classroom Conduct:** The following guidelines are designed to maximize classroom efficiency, and to ensure each student is provided a safe, beneficial, and productive learning environment.

- **School Policy:** all *Pioneer High School* building policies will be adhered to
- **Talking:** Students speak "one-at-a-time," not over each other or the teacher
- **Attendance:** Both physical and mental, prepared and ready to participate
- **Respect:** For yourself, teachers, others, and the learning materials and belongings in the classroom
- **Responsible:** Students are empowered to take ownership of their learning.

Other items/habits not permissible in class: <sup>1</sup>Cell phones/Headphones visible and/or audible in class without permission. <sup>2</sup>Students packing up early. <sup>3</sup>Students lining up at door before class period ends. <sup>4</sup>Students with head down or chronic sleeping in class.

Consequences: All students have the right to learn and all teachers have the right to teach. Therefore, an atmosphere conducive to learning must be maintained in the classroom. Consequences are the result of students making poor choices. Every effort will be made in class to help "reset" poor decision making to get back on track. However, if an unwarranted behavior persists, a phone call will be made home. Referral to class Principal may be issued for more severe disturbances such as persistent disobedience and blatant disrespect toward teacher and/or peers.

**Extra Help:** It is likely that this class may challenge you to change or modify your expectations and habits for learning mathematics. I will be available to help you during class and before and after school - all you have to do is ask! If this does not fit into your schedule, consider forming a study group to mull over problems that appear difficult. Most often, when great minds pull together, a solution is found!

Education is a partnership between parents, teachers, students, and administration. If there is anything more I can do to make this year successful, please do not hesitate to contact me.

Students: please share this syllabus with your parent(s) or guardian. There is an assignment on the page that follows.

Looking forward to an awesome semester,

Ryan Hansen

**Directions:** Please read the entire syllabus and this agreement before signing. There are lines for the student and parent/guardian to complete. Once completed, please return only this page to Mr. Hansen in class. This will count as two (2) assignment grades. **Due on Friday, January 31.**

I, \_\_\_\_\_ (printed name) acknowledge that I have read the syllabus. I agree to take responsibility for my education and choices.

Student: \_\_\_\_\_ (signature)

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I acknowledge that I have read the syllabus. I agree to support my student and contact Mr. Hansen if I have questions about this class.

Parent/Guardian: \_\_\_\_\_ (printed name)

Parent/Guardian: \_\_\_\_\_ (signature)

Preferred Phone Number: \_\_\_\_\_

Preferred Email Address: \_\_\_\_\_

Preferred method of contact to communicate regarding our student (Please circle one):

Phone	Text	Email
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Anything else you'd like Mr. Hansen to know: