

**Charles J. Colgan Senior High School**  
**“Preparing and Inspiring Students for their Future”**

**Ms. Jordan Koca**  
**Pre-Calculus for BC**  
**2019-2020 Course Syllabus**  
**571-374-6550 · [kocajn@pwcs.edu](mailto:kocajn@pwcs.edu)**

**Office Hours:** Tuesday and Thursday from 2:20-3:00 (other times by appointment)

**Course Overview:**

**Pre-Calculus for BC:** A yearlong preparatory course for Advanced Placement Calculus BC. The course content is comprised of the algebra of real numbers, vectors, complex numbers and polynomials; exponential, polynomial and logarithmic functions; and analytic geometry.

**Required Class Materials:**

Agenda                      Notebook (binder)                      Paper (loose-leaf)                      Pens/Pencils (#2 for tests)  
*Suggested: TI 84 Plus Calculator* (This calculator will be used all the way through higher education)

**Course Objectives:**

<u>1<sup>st</sup> Quarter</u>	<u>2<sup>nd</sup> Quarter</u>	<u>3<sup>rd</sup> Quarter</u>	<u>4<sup>th</sup> Quarter</u>
<ul style="list-style-type: none"> <li>• Trigonometric Inverses &amp; Equations</li> <li>• Trigonometric Identities</li> <li>• Trigonometric Applications</li> </ul>	<ul style="list-style-type: none"> <li>• Vectors</li> <li>• Polar Equations</li> <li>• Parametric Equations</li> <li>• Conic Sections</li> </ul>	<ul style="list-style-type: none"> <li>• Functions</li> <li>• Polynomial &amp; Rational Functions</li> <li>• Exponential &amp; Logarithmic Functions</li> </ul>	<ul style="list-style-type: none"> <li>• Matrices</li> <li>• Sequences &amp; Series</li> <li>• Calculus Topics               <ul style="list-style-type: none"> <li>- Limits</li> <li>- Intro to Derivatives</li> </ul> </li> </ul>

**Course Grade:**

A student’s overall grade for the year is a weighted average of the four marking period grades and the final exam grade. Each marking period count as 22.5% of the overall year grade, while the final exam counts as 10% of the overall year grade. Within each marking period, a student’s grade is broken down into two categories.

Summative (80% of Marking Period grade)	Formative (20% of Marking Period grade)	Ungraded Assignments (0% of Marking Period grade)
<ul style="list-style-type: none"> <li>• measures student mastery of a learning target</li> <li>• occurs at the end of a unit</li> <li>• includes but not limited to: tests and projects</li> </ul>	<ul style="list-style-type: none"> <li>• measures student progress towards mastery of a learning target.</li> <li>• occurs within instruction towards a learning target</li> <li>• includes but not limited to warm-ups, quizzes and accuracy graded activities</li> </ul>	<ul style="list-style-type: none"> <li>• provides the opportunity to practice, receive feedback, and develop mastery of a learning target</li> <li>• includes but not limited to independent practice and checking for understanding questions</li> </ul>

**Missed Work:**

Assessments will be announced in advance. Students who miss an assessment should schedule, immediately upon their return, a time to make-up the assessment.

### **Retakes Procedures:**

Before a retake/redo opportunity is permitted, the student will engage in a reasonable relearning process of the material at the teacher's discretion. This process can include homework completion, completing missing assignments, meeting with the teacher for additional support or another strategy developed by the teacher. It may also include a student submitting a plan of relearning which includes evidence of the relearning before the assessment can be redone.

### **Contact Information:**

The best way for both parents and students to contact me is via email at [kocajn@pwcs.edu](mailto:kocajn@pwcs.edu) or Edmodo. I am happy to respond to you via e-mail. My goal is to answer all emails within 24 hours, so please do not hesitate to contact me with any questions or concerns. Both students and parents should check The Hub weekly and address any concerns as soon as they arise. The use of The Hub, Edmodo and email will be extremely beneficial in monitoring student's progress.

#### **Edmodo**

I maintain an Edmodo page to communicate with students and parents. Here are instructions for students and parents:

1. Visit [www.edmodo.com](http://www.edmodo.com) from your phone or computer.
2. Click on the "Join a group" button and enter the code, **dud56v**
3. Follow the instructions to create an account and get started on Edmodo!

**Textbook: PreCalculus with Limits by Ron Larson**