

## Pre-Calculus 12 Course Outline Spring 2021

**Teacher:** Mr. Tuev

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### Teams:

As we are continuing with an online learning, all of our class material and lessons will be taking place on Microsoft Teams, until students are returned to school. Go to [www.office.com](http://www.office.com) and log in with your Pattison High School email to log in.



### Course Description:

This course covers transformations and functions, trigonometry, exponential and logarithmic functions and equations and functions. Students will be expected to complete quizzes, homework, projects, and written assignments.

### Distribution of Marks

Participation	10%
Assignments	10%
Tests	25%
Quizzes	15%
Projects	20%
Final Exam	20%

### Course Schedule

Topic	Textbook Chapter	Time Line
Function Transformations	Chapter 1	1 week
Radical Functions	Chapter 2	1 week
Polynomial Functions	Chapter 3	1 week
Remainder and Factor Theorems	Chapter 3	2 weeks
Exponential Functions	Chapter 7	2 weeks
Logarithmic Functions	Chapter 8	2 weeks
Trig Functions and Graphs	Chapter 5	2 weeks
Trig Identities and Equations	Chapter 6	1 week
Rational Functions	Chapter 9	1 week
Sequences and Series	Not in the book	1 week
Review before the Final	All of the above	1 week
<i>Final Exam</i>		August 5

## **Homework**

Homework from the textbook or handouts will be given most days, and will be checked for regularly. Homework is graded on a 10-point scale: you'll receive the number of points that is *approximately* proportional to the percentage of completed work (e.g 6 points for 60% completed assignment).

## **Participation**

I expect you to be engaged in the learning process and participate in discussions during the class (questions, suggestions, answer my questions address to the class, etc...). It does not mean you have to interrupt me every minute to get your participation marks, but you should not be silent all the time, especially if I ask you a question directly. Remember you do NOT lose participation marks for giving incorrect answer or suggestion (unless it is clearly intentionally).

## **Quizzes**

There will be about at least 1 quiz per chapter, and I will *usually* let you know ahead of time when they are, but not always. I will drop your lowest quiz by the end of the term.

## **Tests**

There will be at least one test for each unit. I will let you know ahead of time, if I plan to give you a test in the middle of the unit, but as soon as we are going towards the end of the unit you should always expect the test. There will be no re-taking tests policy, so, please put reasonable amount of time and effort in studying. However, if you will significantly improve on some sections on the final exam, I will take that into account and may adjust your test or quiz grade from the past.

## **Projects**

There will be at least 2 projects during the semester. I will not ask you to do something super hard, but I will expect you to put some effort in your projects. You will be given long notice for each project, but do not leave until the last minute.

## **Missed Classes**

If you miss a class, it is your responsibility to catch up on the missed material and homework. Class material will be strongly correlated to the textbook provided, so there should be no problem with catching up.

## **Technology in the Classroom**

Since our course will be taking place online, we will be using a lot of technology to assist in our learning, including graphing tools, online research, and simulations. Please let me know if you need any help using any of these tools.

I do expect to have your attention during class meetings.

## **Cheating and Plagiarism**

Plagiarism and cheating will NOT be tolerated. First offence everyone involved gets zero. Second offence everyone involved will be asked to leave the course. I will often ask you to work together, but you cannot copy each other's work. When working together, you must show all your work and have individual responses to questions.

## **Online Resources**

<https://www.desmos.com/calculator>

<https://portal.sd22.bc.ca/class/t9atw31/Pages/default.aspx>

<https://www.khanacademy.org/>