

# Diff Pre-Calculus

Website: <http://wp.lps.org/sscofie/>

Room: B103

TPC: B117

Ms. Scofield

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## About the course:

Diff Pre-Calculus is an honors level course with topics including trigonometry and algebra. The course will prepare students for AP Calculus or Calculus I in college. The course is two terms long with the focus of the first term on trigonometry. The second term will focus on expanding topics from Diff Advanced Algebra. The units are listed below:

Term 1	Term 2
Basic Information on Trigonometric Functions	Functions
Graphs of Trigonometric Functions	Quadratic and Polynomial Functions
Simplify Trigonometric Functions	Rational Functions
Inverse Trigonometric Functions and Solving Trigonometric Equations	Exponential and Logarithmic Functions
Applications of Trigonometric Functions	Conics
Polars and Complex Numbers	Sequences and Series
Vectors and Parametric Equations	

## Textbook:

We will use Algebra and Trigonometry (Sullivan). A book will be checked out to you. There is no online version of this text. However, there are some online resources at the website: <http://interactmath.com/home.aspx> You will need to select the book “*Sullivan: Algebra & Trigonometry, 8e*” to view these resources.

## Calculator:

We will be using TI-83 Plus graphing calculators extensively in class. A calculator may be checked out to you for your use during the term. However, you may also purchase a calculator for use in this class and most college math classes. Any version of a TI-83 or TI-84 will be very comparable. You may also be interested in TI-Inspire CX, TI-89 Titanium, or TI-Inspire CX CAS, however these calculators have different menus and functions that I do not know how to operate. Also be aware that TI-89 Titanium and TI-Inspire CX CAS are not allowed on the ACT.

## Grading:

Your grade will be made up of 80% summative assessments (unit tests, cumulative tests, final exams) and 20% formative assessments (quizzes, reviews, homework, classwork, projects). The following will be used as a grading scale.

A	B+	B	C+	C	D+	D	F
90 – 100	85 – 89	80 - 84	75-79	70-74	65-69	60-64	0-59

Each unit test will be 50-100 points as predetermined by the district. There will be one cumulative test per term worth 50 points. The cumulative test will be used for grade replacement. There is **no retesting** in this course. There will be a 100 point final exam each term that will cover information from the term.

## Homework:

You will get the most out of this course by putting in your best effort. This includes doing your homework assignments *every* night. There may be a short homework quiz the next day in class.

**Extra Help:**

I am available for extra help most mornings (7:30-8:00am) and afternoons (3:03-4:00pm). Please come see me if you are struggling and want extra help. I will either be in B103 (our classroom) or the TPC B117.

**Materials:**

You will need basic materials for this class including a notebook for taking notes, a folder or binder to keep your math papers organized, and a pencil. You will need to bring these materials to class along with your homework, textbook, graphing calculator, and planner/handbook every day.

**Make-up Work:**

You are expected to keep track of your make-up work when you are absent. If you know about your absence ahead of time, you are expected to talk with me to get any handouts/assignments before your absence. If not, you will need to get these items from me upon your return. You will need to make up the assignments within two days of your absence.

If you miss a test, you will be expected to make up your test in the math test room within one week. In the math test room, you will be given one page of the test at a time and will be expected to finish that page in one sitting. Below are the math test room hours. It is located in room B105.

<u>Math Test Room Hours:</u>				
Monday	Tuesday	Wednesday	Thursday	Friday
	7:15-8:00 am	7:15-8:00 am	7:15-8:00 am	7:15-8:00 am
3:15-4:15 pm	2:15-3:15 pm	3:15-4:15 pm	3:15-4:15 pm	

**Late Work:**

Assignments have due dates and are expected to be turned in on time. Turning in work late may result in disadvantages (not being able to use an assignment on a quiz) and reduced credit.

**Checking Your Grade:**

Please check your grade regularly on Synergy. If you notice something that does not seem right, please let me know right away.

**Be Respectful:**

Be respectful to your classmates, teachers, and school property. The means showing kindness, following directions, and taking care of items in our room.

**Communication:**

I believe that communicating early about a problem will result in a good solution for both parties. Please let me know if you are experiencing any problems so we can work together to find a solution.

**LSW Policies:**

I do follow LSW policies on tardies, school IDs, electronic devices/cell phones, and food/drink in the classroom. Therefore, please be on time to class, wear your ID, keep electronic devices/cell phones put away while in class, keep food/drink outside of the classroom. Only water is acceptable to have in class.

**Academic Dishonesty:**

Academic dishonesty may result in failure of an assignment or the course.