



Syllabus

Course: Pre-Calculus

Year: 2017-2018

Teacher: Michael Gulliford	Teacher: Austin LeTexier
Phone: 612-668-9740	Phone: 612-692-0824
Email: Michael.Gulliford@mpls.k12.mn.us	Email: Austin.LeTexier@mpls.k12.mn.us
Office hrs/ Availability: Mon and Friday after school	Office hrs/ Availability:

Course Description/Overview: Course Description: This course is for students who have a strong interest in advanced mathematics. In this course, students study pre-calculus, statistics, probability, vectors, matrices, as well as series and sequences. This course is an introductory course to IB Math Studies, IB SL Year 2 or AP Statistics. This class promotes a deeper mathematical understanding of topics from the past and presents new topics that are foundational for success in IB math classes. All students are expected to spend significant time outside of class reading the text, doing homework problems, and preparing themselves to be able to participate in class.

It is expected that the students have a graphing calculator (TI-83 or TI-84 plus are recommended). Students should be able to simplify rational expressions, solve rational equations and solve systems of linear and nonlinear equations; represent real world problem situations using variables and/or geometric models and solve polynomial equations. Students should have had exposure to logarithms and algebraic functions.

Required Materials:

1. All students must have a pencil every day in class.
2. All students are required to have a notebook (spiral or binder plus folder)
3. Graphing paper notebook.
4. **Graphing calculator TI-84**

Course Units and Common Summative Assessments:

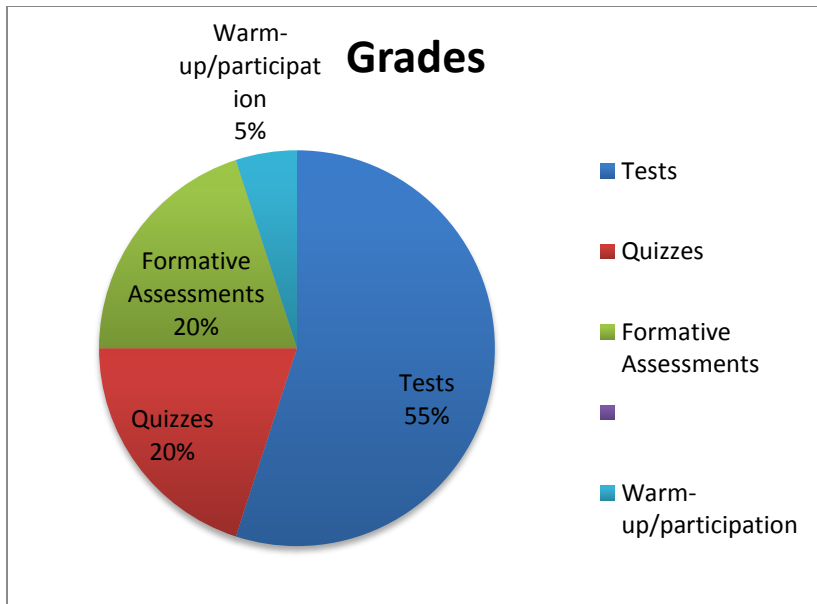
<p>1st Quarter</p> <p>Unit 1: Sequences and Series</p> <p>Unit 2: Quadratics</p>	<p>2nd Quarter</p> <p>Unit 3: Exponential, Power, and Log Functions</p> <p>Prepare for Semester 1 Final Exam</p>
<p>3rd Quarter:</p> <p>Unit 4: Trigonometry</p> <ul style="list-style-type: none"> • Working with Identities • Solving Trig Equations • Graphing the Trig Functions 	<p>4th Quarter:</p> <p>Unit 5: Function Topics</p> <ul style="list-style-type: none"> • Working with Rational Functions • Limit • Intersection of 2 functions (quad and line) • Tangent and Perpendicular

Grading: The grading in this course is consistent with school-wide grading protocol. The primary purpose of grading is to communicate the academic achievement status of students to students, their families, employers, and post-secondary institutions. A grade should accurately reflect **what students know** and are **able to do** in a course.

Grading scale

Pre-Calculus GRADING SCALE		Grade Definitions
A	93.00 - 100%	Exemplary work
A-	90.00 – 92.99%	
B+	87.00 – 89.99%	Proficient/Thorough work
B	83.00 - 86.99%	
B-	80.00 – 82.99%	
C+	77.00 – 79.99%	Acceptable work
C	73.00 – 76.99%	
C-	70.00 – 72.99%	
D+	67.00 – 69.99%	Mediocre work
D	63.00 - 66.99%	
D-	60.00 – 62.99%	
F	0 – 59.99%	Unacceptable work

Grade Make-Up:



Formative Assessments

include written Homework and Homework assigned online through MYMPS and or Google Classroom

NO MORE THAN 25% OF THE QUARTER GRADE WILL BE BASED ON FORMATIVE ASSESSMENTS

NO LESS THAN 75% OF THE QUARTER GRADE WILL BE BASED ON SUMMATIVE ASSESSMENTS

Missing & Late Work: Teachers will set all due dates and deadlines. **Due date** is when the assignment is expected to be completed. **Deadline** is when the assignment has to be turned in for **some** credit.

- All Summative Tests must be finished during the time provided in the class or immediately after school.
- Summative Assessments (excluding tests/certain in-class assessments) turned in after the due date and by the deadline **may be lowered** no more than one letter. If a student completes the work after the deadline, a grade of 50% is assigned provided that the basic requirements of the task/assessment are met.
- Homework is due on the specific date stated in class. Late formative assessment work will be accepted at 50% credit. With an excused absence, it is required that the student turn in the work no later than 3 days after the student returns.

Extra Credit: There is no “Extra Credit” offered in this class. There will be opportunities for extra assignments and further deeper investigations. However, there is no extra credit to be offered in lieu of an assessment or assignment.

Re-Learning and Retakes: There will be a list of available times when a student can have the option for retakes. Quizzes and Tests can be retaken. The final grade, of that assessment, will be determined by the **average of the original score and the score of the retake for that assessment.**

There are NO- retakes on Quarter or Semester Finals

Grading modifications may be made for students with IEP or 504 plans.