



Mathematics Syllabus 2016-2017

Course: Pre-AP Pre-Calculus

This course will emphasize the study of polynomial, radical, exponential, logarithmic, and trigonometric functions. Functions, equations, and limits will be used as useful tools for expressing generalizations and as a means for analyzing and understanding a broad variety of mathematical relationships. Functions, as well as symbolic reasoning, will be used to represent and connect ideas in geometry, probability, statistics, trigonometry, and calculus and to model physical situations. In addition to these topics, we will study polar and parametric equations and sequences and series. The level of instruction/curriculum will focus on preparing the student for AP Calculus, and thus will be quite strenuous. Each student should be well-prepared and have the correct academic background in order to be successful in this class. It is a college preparatory program.

Instructor: Neil Morrison

Email: neilmorrison@misdmail.org

Phone: 682-314-0100 or 682-314-0077

Materials: All students must have and bring the following materials to class everyday:

1. Paper, Pencil, Notebook, Highlighter, and Textbook and/or Ipad.
2. Calculator. The calculator recommended for this course is the TI-83 or TI-84. Graphing calculators will be used frequently in this course and will be extremely helpful to students.
3. It is requested that you bring in 1 box of tissues at the beginning of the class year, and one 4 pack of AAA batteries.

Text and Other Resources:

1. The textbook is Precalculus with Limits, Larson/Hostetler.
2. The website calchat.com offers solutions to odd-numbered problems and additional practice. An additional resource is: <http://larsonprecalculus.com/>

Attendance/Lateness:

It should be understood that the policies and procedures of the school and district will be strictly enforced, and that daily attendance will definitely have a positive impact on success in this class. It should also be known that an absence is defined per the student handbook.

Academic Dishonesty:

Academic dishonesty will not be tolerated in this course. It should be understood that the policies and procedures of the school and district will be strictly enforced.

Academic Grades:

Academic grades for each 6 weeks will be based on a percentage as outlined. Semester grades will include the average of the three 6 week grades (80%) plus a final exam (20%).

Daily Assignments/Homework: 10% of grade

- A. Homework is due and will be corrected at the beginning of the class period following the date the assignment was given.
- B. Assignments due during an absence are due upon return.
- C. Students who miss an assignment during an absence are given one additional day to complete the missing assignment. Students are responsible for determining what assignments were missed during an absence.
- D. Students may be assessed a penalty of no more than 30 points per day for up to one class period before a zero may be given for work not turned in on time.

- E. Students should be aware that the assignments given in this course will require an average of 30-45 minutes between class sessions to complete.

Quizzes: 30% of grade

Quizzes are given periodically to assess students during a unit throughout the year.

- A. Some quiz questions will be selected from problems similar to those in the homework to be corrected that day.
- B. Quizzes may be made up within two days **OUTSIDE OF CLASS TIME** if the student is absent. If the quiz is not made up within 2 days, a score of 0 will be given.
- C. Quizzes may not be retaken to achieve a higher score.

Tests: 60% of grade

- A. Tests will be given at the completion of each unit.
- B. Mid-chapter tests may be given if deemed appropriate by your instructor.
- C. Please refer to the course schedule below to approximate test dates. You should expect two tests each 6 weeks.
- D. Students who are absent on review day are still expected to take the test.
- E. Students who are absent on the test day will be given two days **OUTSIDE OF CLASS TIME** to make up the test. If the test is not made up within 2 days, a score of 0 will be given.
- F. Students with multiple absences during a chapter are responsible for making arrangements with the instructor.
- G. Tests may not be retaken to achieve a higher score.
- G. *The final exam will be worth 20% of the semester grade.*

Course Calendar/Schedule:

It should be known that this course calendar/schedule should be used a guideline for the year. Adjustments will be made at the discretion of the instructor. Each 6 week period is approximately 14 class days. Students should expect to take a test every 3 weeks.

1st 6 weeks: Chapter 1 15 days
Chapter 2 14 days

2nd 6 weeks: Chapter 2 9 days
Chapter 3 11 days
Chapter 4 8 days

3rd 6 weeks: Chapter 4 22days
Chapter 5 8 days

4th 6 weeks: Chapter 5 15days
Chapter 6 13days

5th 6 weeks: Chapter 9 13 days
Chapter 10 15 days

6th 6 weeks: Chapter 10 15 days
AP Extensions 17days

General Information:

- A. Parents and students will be able to access grades online through Skyward. Grades will be updated as soon as possible
- B. Seating charts will be used for roll-taking purposes. Students are encouraged to consider hearing, vision, and attention needs when evaluating classroom placement.
- C. I am available for additional help in the morning and after school on selected days. Other appointments may be arranged in advance with the approval of the teacher.
- D. *Extra credit* will not be offered.
- E. I welcome comments or concerns about your student's progress either in person, by phone or via email.
- F. The teacher reserves the right to alter any guideline discussed in this document to accommodate individual students.

PARENT/ GUARDIAN:

Please print and sign this form and return it to the teacher. Keep the rest of the syllabus as your reference.

Pre-AP Pre-Calculus		Neil Morrison	2016-2017
Class	Period	Teacher	Year

I have thoroughly reviewed the disclosure statement for the above listed teacher and class. I am aware of and will support the academic grading standards, requested materials, and the classroom policies and expectations as described. I am keeping the descriptive portion of the statement for future reference.

Student Printed Name	Parent Printed Name	Date
----------------------	---------------------	------

Student Signature	Parent Signature	Parent Email address
-------------------	------------------	----------------------

Parent Home Phone Number	Parent Cell Number (Name)	Parent Cell Number (Name)
--------------------------	---------------------------	---------------------------

Calculator Number: _____

Math Department Calculator Contract

Every student will have either a TI-83 or 84 calculator available for them to use during class time. Once a student and his/her parent signs this contract, they will be issued a calculator. If a teacher observes a student either using a calculator inappropriately or damaging a calculator in any way the following consequences will occur:

- 1st offense – the student will lose school graphing calculator privileges for the next 5 class periods and could be required to pay a fine up to the value of the calculator for any damage caused
- 2nd offense – the student will lose school graphing calculator privileges for the remainder of the school year and could be required to pay a fine up to the value of the calculator for any damage caused

In the event that a student loses or severely damages a calculator, they must pay for the replacement cost of the calculator. Approximate cost for a TI-84 Plus calculator is \$130.

Students must always take the calculator assigned to them and notify their teacher immediately if there is any prior damage to the calculator. Students are responsible for the calculator assigned to them during a class period whether they are using the calculator or not.

By signing here, I understand that I am responsible for the calculator that I am assigned this school year. I will pay for the replacement of that calculator if it is lost or damaged.

Student Signature	Parent Signature
-------------------	------------------

Students who already own a graphing calculator may wish to have their parents sign this contract in case they forget their calculator or the batteries die. Please write BACKUP on this form and no specific number will be assigned for their daily use.