

## SYLLABUS FOR PRECALCULUS 2020-2021

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Text: Precalculus with Limits  
By Hornsby et al. (6<sup>th</sup> ed.)

Grade Determination:

Tests – 50%      Quiz average – 35%      Notebook checks, homework, and  
all other aspects of classroom and coursework – 15%

Main Goals: to prepare students for any future math courses they may take (especially College Algebra and Calculus if they will take it), and to prepare them for any college entrance tests (ACT/SAT/TSI Assessment...).

Students are expected to abide by the section on ACADEMIC INTEGRITY on pp. 10-11 of the Student/Parent Handbook. Also, they are expected to be respectful towards me and their fellow students at all times.

Topics to be covered:

1<sup>st</sup> quarter:

- Functions and their graphs
- Quadratic and polynomial functions

2<sup>nd</sup> quarter:

- Complex numbers and rational functions
- Exponential and logarithmic functions

3<sup>rd</sup> quarter:

- Trigonometric functions
- Introduction to analytic trigonometry

4<sup>th</sup> quarter:

- Analytic trigonometric topics
- Introductory Calculus topics

(This is a tentative schedule of topics which might be adjusted to accommodate the academic readiness of the class)

Supplies needed:

- Spiral notebook
- Notebook paper
- Folder with pockets
- Pencil or blue or black pen

- Texas Instrument Graphing Calculator optional but strongly recommended. TI-83+ will be provided in class. If student plans to use school calculator need to provide own AAA batteries.