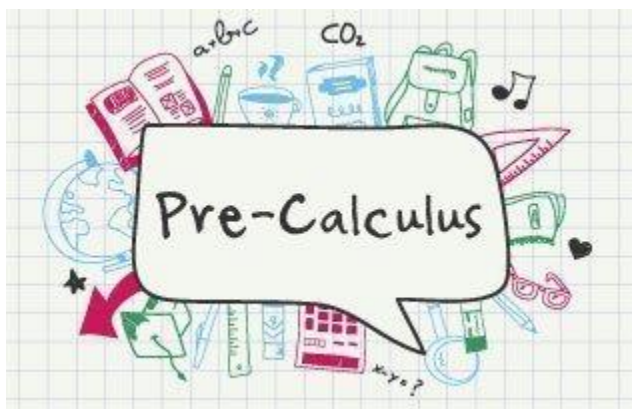


Tokyo International Progressive School

Grade 12, Pre-Calculus Course Outline

2022-2023

Mr. Wan, Room 25



DESCRIPTION OF COURSE

This course provides a detailed examination of algebraic and inverse functions, graphs, exponential and logarithmic functions, conic sections, matrices, determinants, complex numbers, and discrete algebra. The course will also involve a thorough discussion of trigonometric concepts and applications. Students study proofs of trigonometric identities, solutions of right and oblique triangles, solutions of trigonometric equations and functions, vector applications and polar coordinates.

The textbook for this course is Sullivan Precalculus 9th Edition.

STUDENT EXPECTATIONS

You must bring to class:

- Pencil
- Eraser
- Ruler
- Agenda
- Notebook
- Calculator (TI 84)
- Graph Paper

Getting ready: When you come into class, get all of your materials out on the table in front of you, including your homework. To be on time for class, you must be at your desk with your materials out by the end of the bell. Please put any personal equipment in your bag and then put your bag safely under the table.

Textbook: A textbook will be given to each individual. If a numbered lent textbook is not returned in usable condition by the required date, your family will be asked to pay for a replacement for the book.

Homework: Please write your homework tasks down in your agenda.

Late Daily Work: Any daily assignments that are not submitted the following day will receive a zero in their daily work mark. The mark will be changed upon submission of the assignment.

Late Projects: Any projects that are late, without having made arrangements with the teacher at least one week prior, will have 2% of their total mark for that assignment deducted for each school day it is late.

EARNING YOUR GRADE

Your grade will be determined by your work in these categories:

Grade Category	Percentage of your grade
Quiz	20%
Daily Work	30%
Project	30%
Test	20%

The grading scale for this course will be:

Letter grade	Mark range
A+	97-100
A	92-96
B+	88-91
B	83-87
C+	79-82
C	74-78
D+	70-73
D	65-69
F	64 or below

IMPORTANT DATES

Assessment	Date
Math Skills Review Test	September 2
Unit 1 - Fundamentals of Algebra	September 21
Unit 2 - Functions and Their Graphs	October 7
Unit 3 - Linear and Quadratic Functions	October 28
Unit 4 - Polynomial and Rational Functions	November 9
Unit 5 - Exponential and Logarithmic Function	November 25
Unit 6 - Trigonometric Functions	December 15
Unit 7 - Analytic Trigonometry	January 27
Unit 8 - Applications of Trigonometric Functions	February 17

Unit 9 - Vectors	March 10
Unit 10 - Analytic Geometry	March 30
Unit 11 - Systems of Equations and Inequalities	April 14
Unit 12 - Sequences	May 12
Unit 13 - Probability	June 9