

Math 1 Precalculus, 42594, Fall 2016, TuTh 4:30pm-6:20pm, BCC 423

Instructor: Wesley Jeh wjeh@peralta.edu

Prerequisite: Math 203 or 211D

Student Learning Outcome

Representation: Represent relevant information in various mathematical or algorithmic forms. (conversion of words to mathematical symbols and graphs)

Calculation: Calculate accurately and comprehensively.

Interpretation: Interpret information presented in mathematical or algorithmic forms. (for example, interpretations of equations, graphs, diagrams, tables)

Application/Analysis: Draw appropriate conclusions based on the quantitative analysis of data, while recognizing the limits of this analysis. (problem solving)

Communication: Explain quantitative evidence and analysis. (conversion of mathematical symbols and graphs to words)

Course Objectives:

1. Functions and their inverses, composition of functions, and techniques of graphing
2. Polynomial, rational, exponential, logarithmic, trigonometric functions and their properties;
3. System of equations; Matrices and determinants; Algebra of Matrices;
4. Sequences and series; Arithmetic and geometric sequences and series; mathematical induction, binomial theorem;

Tests:

Test	Date
Test 1	Thur, Sept 8
Test 2	Thur, Oct 6
Test 3	Thur, Nov 3
Test 4	Thur, Dec 1

You **cannot make up** any test, but your lowest scored test will be dropped.

The final exam is comprehensive. The score of the final exam **will not be dropped** regardless of the result.

Homework:

To do the online homework assignment for this class, you will need to first register an account at <https://myopenmath.com>

After your registered your account, you may enroll in this course by using the following course ID and enrollment key:

Course ID: 14278 Enrollment Key: 42594

After you enrolled in this class you will be able to work on the online homework exercise. Work out the problems on paper first, then type in the correct answer.

Feel free to talk to me if you have any question about MyOpenMath.

Note: In doing the exercises in MyOpenMath, you may attempt each exercise five times. After five attempts, you will lose 10% of the total point for each additional incorrect attempt.

In Class Exercise:

During class I will assign problems for you to work in class in groups. This is a great time to work with others and learn from each other. You will need to be in class and participate to receive credit.

Grading:

Online Homework	10%
In class exercise	10%
In Class tests	51%
In Class Final	29%

Overall Percentage	Grade
90 – 100 %	A
80 – 89 %	B
70 – 79 %	C
60 – 69 %	D
< 60 %	F

Cheating:

Cheating is prohibited. Anyone who is caught cheating during any test will receive an automatic 0 for the test.

Attendance:

Attendance is mandatory and if you miss too many classes you will be dropped.