IMPERIAL VALLEY COLLEGE

Basic Course Information

Semester:	**Spring 2021**	Instructor Name:	**Zhong Wen Hu**
Course Title & #:	**Math 019**	Email:	**Zhong.hu@imperial.edu**
CRN #:	**21570, 21571, 21572**	Webpage (optional):	**Imperial.instructure.com**
Classroom:	**N/A**	Office #:	**2760.1**
Class Dates:	**2/16/2021 – 6/11/2021**	Office Hours:	**MW: 10 am to 11 am** **TR: 1 pm to 2 pm**
Class Days:	**N/A**	Office Phone #:	**760-355-6355**
Class Times:	N/A	Emergency Contact:	**Email me**
Units:	4	Class Format:	Online

Course Description

This course is intended for students to take concurrently with Math 119. Included will be the review of union and intersection of sets, interval notation, solving linear equations for a specified variable, review linear equations, application problems utilizing inequalities, review of properties of exponents, introduction to functions, overview of non-linear functions, review of sigma notation, factoring and binomial theorem. (Nontransferable, nondegree applicable).

Course Prerequisite(s) and/or Corequisite(s)

MATH 119

Student Learning Outcomes

Upon course completion, the successful student will have acquired new skills, knowledge, and or attitudes as demonstrated by being able to: 1. Demonstrate problem solving strategies by identifying an appropriate method to solve a given problem, correctly set up the problem, perform the appropriate analysis and computation, and share their interpretation of the conclusion or the outcome, using correct grammar or in an oral presentation. This outcome will be assessed through selected exercises on exams throughout the semester. (ILO1, ILO2).

Course Objectives

Upon satisfactory completion of the course, students will be able to:

1. Find the union and intersection of sets.

2. Express a solution in interval notation.

3. Use properties of exponents.

4. Solve linear equations for a specified variable.

5. Understand and graph linear equations.

6. Solve application problems utilizing linear inequalities.

7. Understand functions and their relations.

8. Identity non-linear equations.

9. Use sigma notation.

10. Factor quadratic equations.

11. Understand the binomial theorem.

Textbooks & Other Resources or Links

No textbooks will be required for the course

Course Requirements and Instructional Methods

1. Class Activity
2. Oral Assignments
3. Problem Solving Exercise
4. Quizzes
5. Skill Demonstration
6. Written Assignments

Course Grading Based on Course Objectives

Pass/No Pass only. In order to pass you need to score at least 70% overall in all quizzes.

Course Policies

- *[*A student who fails to attend the first meeting of a class or does not complete the first mandatory activity of an online class will be dropped by the instructor as of the first official meeting of that class. Should readmission be desired, the student's status will be the same as that of any other student who desires to add a class. It is the student's responsibility to drop or officially withdraw from the class. See General Catalog for details.
- Regular attendance in all classes is expected of all students. A student whose continuous, unexcused absences exceed the number of hours the class is scheduled to meet per week may be dropped. For online courses, students who fail to complete required activities for two consecutive weeks may be considered to have excessive absences and may be dropped.
- Absences attributed to the representation of the college at officially approved events (conferences, contests, and field trips) will be counted as 'excused' absences.

What does it mean to "attend" an online class?

Attendance is critical to student success and for IVC to use federal aid funds. Acceptable indications of attendance are:

- Student submission of an academic assignment

- Student submission of an exam
- Student participation in an instructor-led Zoom conference
- Documented student interaction with class postings, such as an interactive tutorial or computer-assisted instruction via modules
- A posting by the student showing the student's participation in an assignment created by the instructor
- A posting by the student in a discussion forum showing the student's participation in an online discussion about academic matters
- An email from the student or other documentation showing that the student has initiated contact with a faculty member to ask a question about an academic subject studied in the course.

Logging onto Canvas alone is NOT adequate to demonstrate academic attendance by the student.

Other Course Information

Last day to add the class: Saturday 02/27/2021

Last day to withdraw from the class with a "W": Saturday 05/15/2021

IVC Student Resources

IVC wants you to be successful in all aspects of your education. For help, resources, services, and an explanation of policies, visit http://www.imperial.edu/studentresources or click the heart icon in Canvas.

Anticipated Class Schedule/Calendar

WEEK	TOPIC
1	Course Syllabus Decimals, Fractions, Percentages, and Graphs
2	Functions, Relations, and Exponents
3	Linear Equations Quiz # 1
4	Use Sigma Notation
5	Preparing for Probability
6	Binomial Theorem Quiz# 2
7	Evaluating Formulas for Probability Distributions
8	No Classes

9	**The Building Blocks for Working with Normal Distributions** **Quiz#3**
10	**Interval Notation**
11	**Identify Non-Linear Equations**
12	**Formulas for Hypothesis Testing** **Quiz#4**
13	**Formulas for Hypothesis Testing**
14	**Formulas for Two-Sample Hypothesis Testing** **Quiz# 5**
15	**Linear Equations**
16	**Review**

Subject to change without prior notice