Basic Course Information

Semester:	**Spring 2023**	Instructor Name:	**Oscar J Hernandez**
Course Title & #:	**Elementary Statistics Support Math 019**	Email:	**Oscar.hernandez@imperial.edu**
CRN #:	**20773**	Webpage (optional):	**None**
Classroom:	**Online**	Office #:	**2766**
Class Dates:	**February 13- June 9**	Office Hours	**None**
Class Days:	**Online**	Office Phone #:	**760-355-5739**
Class Times:	Online	Emergency Contact:	**Oscar.hernandez@imperial.edu**
Units:	1	Class Format:	TBA

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)

Student Learning Outcomes

Upon course completion, the successful student will have acquired new skills, knowledge, and or attitudes as demonstrated by being able to:

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. Identify non-linear equations.
9. Use sigma notation.
10. Factor quadratic equations.
11. Understand the binomial theorem.

Textbooks & Other Resources or Links

MyLab Statistics with Pearson eText -- 18 Week Standalone Access Card -- for Elementary Statistics with Excel (same book used on Math 119 course)

1. **Edition:** 7th
2. **ISBN:** 13: 9780136937432
3. **Author:** Mario Triola
4. **Publisher:** Pearson

Course Requirements and Instructional Methods

Student will complete Study skill test on every chapter in Mymathlab

Course Grading Based on Course Objectives

Grading: You need to get at least 70% overall grade in every study skills test to pass the course.

Pass/No Pass Only

Course Policies

Attendance:
The first day of class is of utmost importance. If, for some reason, you absolutely can't attend, please make sure you e-mail me.

- 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.

Online Netiquette:

- What is netiquette? Netiquette is internet manners, online etiquette, and digital etiquette all rolled into one word. Basically, netiquette is a set of rules for behaving properly online.
- Students are to comply with the following rules of netiquette: (1) identify yourself, (2) include a subject line, (3) avoid sarcasm, (4) respect others' opinions and privacy, (5) acknowledge and return messages promptly, (6) copy with caution, (7) do not spam or junk mail, (8) be concise, (9) use appropriate language,
- (10) use appropriate emoticons (emotional icons) to help convey meaning, and (11) use appropriate intensifiers to help convey meaning [do not use ALL CAPS or multiple exclamation marks (!!!!)].

Academic Honesty:

- **Plagiarism** is taking and presenting as one's own the writings or ideas of others, without citing the source. You should understand the concept of plagiarism and keep it in mind when taking exams and preparing written materials. If you do not understand how to 'cite a source' correctly, you must ask for help.
- **Cheating** is defined as fraud, deceit, or dishonesty in an academic assignment, or using or attempting to use materials, or assisting others in using materials that are prohibited or inappropriate in the context of the academic assignment in question.

  Anyone caught cheating or will receive a zero (0) on the exam or assignment, and the instructor may report the incident to the Campus Disciplinary Officer, who may place related documentation in a file. Repeated acts of cheating may result in an F in the course and/or disciplinary action. Please refer to the General School Catalog for more information on academic dishonesty or other misconduct. Acts of cheating include, but are not limited to, the following: (a) plagiarism; (b) copying or attempting to copy from others during an examination or on an assignment; (c) communicating test information with another person during an examination; (d) allowing others to do an assignment or portion of an assignment; (e) using a commercial term paper service.

Other Course Information

This course is intended for students to take concurrently with Math 119

This course is a support for your Statistics class, the objective is to be ready with the topics before you use them in the Math 119 course.

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

Work as your own pace, you have until February 2, 2023 at 11:59 pm to complete all Modules and the Study Skill Tests.

Module 1.

Sets:

Language and notation
Interval Notation
Union and Intersection

Module 2

Functions and Relations:

Definition of a function
Function notation
Domain and Range of a function
Find function values from a graph

Module 3

Exponents:

Use properties of exponents

Module 4

Linear Equations:

Review rectangular coordinate system

Slope-intercept form of an equation
Identify x and y –intercepts
Find a linear equation from a graph
Find a linear equation given two points
Graph linear equations
Solve linear equations for a specified variable
Solve application problems utilizing linear inequalities

Module 5

Identify Non-linear functions, including:

Quadratic
Logarithmic
Square root
Exponential

Module 6

Radical Expressions:

Simplify radical expressions
Operations on radical expressions
Rationalize denominator of radical expressions

Module 7

Solve Equations:

Subject to change without prior notice