Basic Course Information

Semester	**Fall 2019**	Instructor Name	**Oscar J. Hernandez**
Course Title & #	**Elementary Statistics Math 119**	Email	**Oscar.hernandez@imperial.edu**
CRN #	**10125 and 11647 (Support)**	Webpage (optional)	
Room	**2725**	Office	**Room 2767/1**
Class Dates	**August 19 – December 14**	Office Hours	**MW 9:15 – 10:15** **T, TR 13:35 – 14:35**
Class Days	**MW**	Office Phone #	**(760) 355-5739**
Class Times	**10:15 - 12:20 (Lecture)** **12:30 - 13:35 (Support)**	Office contact if student will be out or emergency	**Call my office Phone # (760) 355-5739 or send an e-mail.**
Units	**4 (lecture) and 1.0 (Support)**		

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).

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

Instructional Methodology:
 Audio Visual
Demonstration
Discussion
Group Activity
Lecture
Distance Learning

Assignments:
Reading and writing
Students will be assigned exercises (Mymathlab), that supplement pre-requisite knowledge for Math 119

Textbooks & Other Resources or Links

No textbooks will be required for this course. Supplemental material will be available for download on canvas.

Course Requirements and Instructional Methods

A. PREREQUISITES, if any:
B. COREQUISITIES, if any:
C. RECOMMENDED PREPARATION, if any:

 Homework is done at Mymathlab, Check all Due Dates.

Course Grading Based on Course Objectives

Grading:

Pass/No Pass Only

Attendance

Required language
- 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, Deadline to drop with W, November 9, 2019. 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.

- Absences attributed to the representation of the college at officially approved events (conferences, contests, and field trips) will be counted as 'excused' absences.

Classroom Etiquette

- **Electronic Devices**: Cell phones and electronic devices must be turned off and put away during class, unless otherwise directed by the instructor.
- **Food and Drink** are prohibited in all classrooms.   Water bottles with lids/caps are the only exception. Additional restrictions will apply in labs. Please comply as directed.
- **Disruptive Students**: Students who disrupt or interfere with a class may be sent out of the room and told to meet with the Campus Disciplinary Officer before returning to continue with coursework. Disciplinary procedures will be followed as outlined in the General Catalog.
- **Children in the classroom**: Due to college rules and state laws, no one who is not enrolled in the class may attend, including children.

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.

Additional Help – Discretionary Section and Language

- **Canvas support center**: http://community.canvaslms.com/docs/DOC-10701
- **Learning Labs**: There are several 'labs' on campus to assist you through the use of computers, tutors, or a combination. Please consult your college map for the Math Lab, Reading & Writing Lab, and Study Skills Center (library). Please speak to the instructor about labs unique to your specific program.
- **Library Services**: There is more to our library than just books. You have access to tutors in the Study Skills Center, study rooms for small groups, and online access to a wealth of resources.

Disabled Student Programs and Services (DSPS)

Any student with a documented disability who may need educational accommodations should notify the instructor or the Disabled Student Programs and Services (DSP&S) office as soon as possible. The DSP&S office is located in Building 2100, telephone 760-355-6313, if you feel you need to be evaluated for educational accommodations

Student Counseling and Health Services

 Students have counseling and health services available, provided by the pre-paid Student Health Fee. We now also have a fulltime mental health counselor. For information see http://www.imperial.edu/students/student-health-center/. The IVC Student Health Center is located in the Health Science building in Room 2109, telephone 760-355-6310.

Student Rights and Responsibilities

Students have the right to experience a positive learning environment and due process. For further information regarding student rights and responsibilities, please refer to the IVC General Catalog available online at http://www.imperial.edu/index.php?option=com_docman&task=doc_download&gid=4516&Itemid=762

Information Literacy

Imperial Valley College is dedicated to helping students skillfully discover, evaluate, and use information from all sources. Students can access tutorials at http://www.imperial.edu/courses-and-programs/divisions/arts-and-letters/library-department/info-lit-tutorials/

Anticipated Class Schedule / Calendar

First and Second weeks: Sets

        Language and notation
        Interval Notation
        Union and Intersection

Third week: Functions and Relations

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

Fourth week: Exponents

        Use properties of exponents

Fifth and Sixth weeks: 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

Sixth and Seven Weeks: Identify Non-linear functions, including:

        Quadratic
        Logarithmic
        Square root
        Exponential

Eight and Ninth Weeks: Radical Expressions

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

Tenth and Eleventh Weeks: Solve Equations

Linear Equations
Quadratic Equations, including solve by factoring, square root property, complete the square, and the quadratic formula
Rational Equations.
Radical Equations
Exponential Equations
Logarithmic Equations.

Twelfth Week: Non- Linear Inequalities

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

Thirteenth Week: Sigma Notation

Recognize sigma notation
Perform operations using Sigma Notation

Fourteenth Week: Binomial Theorem

Factor quadratic equations
Apply the Binomial Theorem