IMPERIAL VALLEY COLLEGE

MATH 119

Elementary Statistics
Course Syllabus

Course Syllabus

Course Title:	Elementary Statistics
Course Schedule/ Time:	Monday **-** Thursday – 10:45 a.m. to 1:35 p.m.
Course Location:	Main Campus, 2700 Building, Room 2735
Book:	Essentials of Statistics Mario F. Triola ISBN 978-0-321-64151-9
Electronic Resources:	MyStatLab can be purchased separately.
Instructors Name:	Carlos Canez
Telephone:	Please Leave a Message Cell: 760-622-6589
E-Mail Address	carlos.canez@imperial.edu

Calculator   REQUIRED! TI – 83

Software   Microsoft Excell

Math 119

Chapter 1   Introduction to Statistics
Chapter 2   Summarizing and Graphing Data
Chapter 3   Statistics for Describing, Exploring, and Comparing Data
Chapter 4   Probability
Chapter 5   Discrete Probability Distributions
Chapter 6   Normal Probability Distributions
Chapter 7   Essentials and Sample Size
Chapter 8   Hypothesis Testing
Chapter 9   Inferences from Two Samples
Chapter 10   Correlation and Regression
Chapter 11   Chi-Square and Analysis of Variance

Institutional Student Learning Outcomes

Imperial Valley College's students, faculty, staff, and administrators will work toward and assess student learning outcomes in the following areas:

- Communication Skills
- Critical Thinking Skills
- Personal Responsibility
- Information Literacy
- Global Awareness

Student Learning Outcomes for Math 119

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

1. Identify, compare, and contrast two articles that include both descriptive and inferential statistics on the same research topic.
2. Students will apply their knowledge of statistical inference to conduct formal significance tests concerning single populations.
3. Students will demonstrate their knowledge of basic descriptive statistics.
4. Students will apply techniques of linear modeling to explore the relationship between two numerical variables.

Course Description

Graphical representation of statistical data, calculations, and uses of various averages, measures of variability, introduction to probability, probability distributions, confidence intervals, sample size determination and hypothesis testing, ANOVA, linear regression and Chi – Square analysis.

Grade Make-up

Test ………………….. 50%
2 Projects/ Homework …. 30%
Final ………………….. 20%

Policies and Procedures

Academic Honesty

Academic honesty is highly valued at IVC. You must always submit work that represents your original thoughts and steps. Please see the IVC catalog for more information about academic honesty, including consequences of academic dishonesty.

Late Assignments **<u>No late assignments will be accepted.</u>**

Missed Tests

If you miss a test, the percentage worth of that test will be added to your final test. For example if you miss a test that is worth 15 percent and the final is worth 25 percent your final is now 40 percent of your grade.

Disabled Student Program

Services are provided on an individual basis and may include reader services, note taking, tutoring, counseling, sign language, interpreting, priority registration, learning disability assessment and adapted computer instruction. If there are any modifications you may need, please let me know as soon as possible or call the DSP&S at 355-6312 or go to building 2100.

Attendance

Attendance is mandatory. If you miss more than the allowed two classes I may drop you from the class. Please ***do not assume*** that I will drop you from the class if you stop attending, it is your responsibility to drop the class.

Drop date

The last day to drop with a "W" is July 23.

Learning resources

- Please ask me.
- Tutoring services
- Math lab
- Study Guide
- CD

Two (2) hours of independent work done out of class per each hour of lecture or class work, or 3 hours lab, practicum, or the equivalent per unit is expected.

Final Exam – will be cumulative on August 1.