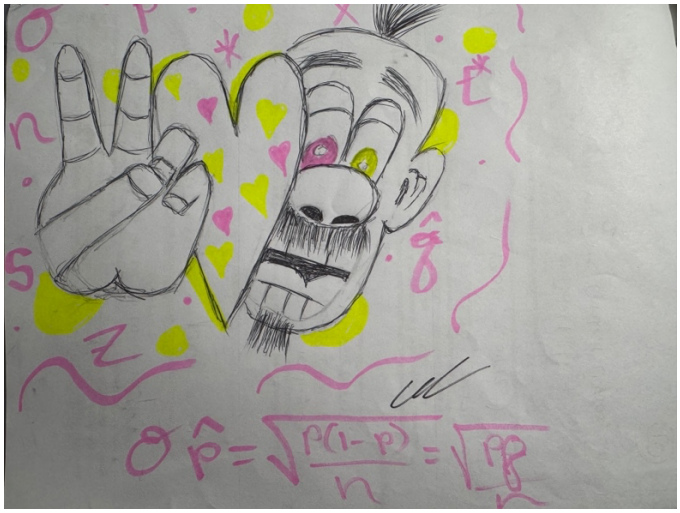
IMPERIAL VALLEY COLLEGE

Basic Course Information

Semester:	**Spring 2026**	Instructor Name:	**Jill Nelipovich**
Course Title & #:	**Stat C1000 Introduction to Statistics**	Email:	**Jill.nelipovich@imperial.edu**
CRN #:	**21279**	Webpage (optional):	**Canvas**
Classroom:	**2723**	Office #:	**2760**
Class Dates:	**2/17/26 – 6/12/26**	Student Hours:	**MW: 9:30 – 10:00 a.m. 2:30 – 3:00 p.m. Thur: 11:00 – 12:00 a.m. 5:00 – 6:00 p.m. Zoom by appt.**
Class Days:	**T/TR**	Office Phone #:	**760-355-6297**
Class Times:	**10:15 a.m. – 12:45 p.m.**	Emergency Contact:	**760-355-6201**
Units:	**4**	Class Format/Modality:	**Face-to-face**

Welcome Students! The spring semester will be fun! We get in person learning – which is a HUGE benefit to learning. It provides you the opportunity to collaborate with your peers, get real-time help with questions and create relationships with others that will push you academically.



Artwork done by a former student who said that statistics brings him Peace, Love and Happiness! Printed with permission!

What do you need to be good at?

- Learning How to Learn! Learn to push yourself. Learn to grow!

My Job? To be available for you to help you succeed.

Your Job? Do the work. Do not delay homework. Do a little work each and every day. (Cramming does not work for 99.99999% of students) Work hard to make your success happen. I cannot learn the material for you. You need to do that part on your own.

What does success mean?

- To be successful in this class and future courses at IVC and the university.
- To be able to problem solve in a "high stakes" situation, such as a job interview.
- Yes, they do ask you math questions, engineering questions and some prospective employers will have you in a room with other candidates and watch how you interact and problem solve.

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Course Description

This course is an introduction to statistical thinking and processes, including methods and concepts for discovery and decision-making using data. Topics include descriptive statistics; probability and sampling distributions; statistical inference; correlation and linear regression; analysis of variance, chi-squared, and t-tests; and application of technology for statistical analysis including the interpretation of the relevance of the statistical findings. Students apply methods and processes to applications using data from a broad range of disciplines. (Formerly MATH 119)(C-ID: MATH 110) (CSU, UC credit limited. See a counselor.)

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

Placement as determined by the college's multiple measures assessment process or completion of a course taught at or above the level of intermediate algebra.

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.

Textbooks & Other Resources or Links

Required:
Triola, Mario. Elementary Statistics using excel. 7th Pearson. ISBN: 9780136937432
Or
MyMathLab Course Registration Instructions

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Course Objectives

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

1. Assess how data were collected and recognize how data collection affects what conclusions can be drawn from the data.
2. Identify appropriate graphs and summary statistics for variables and relationships between them and correctly interpret information from graphs and summary statistics.
3. Describe and apply probability concepts and distributions.
4. Demonstrate an understanding of, and ability to use, basic ideas of statistical processes, including hypothesis tests and confidence interval estimation.
5. Identify appropriate statistical techniques and use technology-based statistical analysis to describe, interpret, and communicate results.
6. Evaluate ethical issues in statistical practice.

ADDITIONAL Objective Information:

7. Distinguish among different scales of measurement and their implications.
8. Calculate measures of central tendency and variation for a given data set.
9. Determine and interpret levels of statistical significance including p-values.
10. Identify the basic concept of hypothesis testing including Type I and II errors.
11. Formulate hypothesis tests involving samples from one and two populations.
12. Use linear regression and ANOVA analysis for estimation and inference, and interpret the associated statistics.
13. Make use of Chi-square distributions to analyze counts.
14. Use appropriate statistical techniques to analyze and interpret applications based on data from disciplines including business, social sciences, psychology, life science, health science, and education.
15. Apply concepts of probability theory, such as counting principles, conditional probability and the Poisson distribution.

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Course Requirements and Instructional Methods

- **Homework:** Homework must be done in a separate notebook and must be kept organized. It is expected that you will complete your homework by the class before an exam and it will be collected and returned on that day. For those of you who wish to use a tablet, you may upload the homework as one pdf to canvas. What is not completed by the class before the exam will not be graded at a later date.
- **Quizzes:** 21 Quizzes will be given daily and completed in groups. The two lowest quiz scores will be dropped. If you stay until the end of class, you may turn the quiz in the following class period. If you leave early, that will be one of your dropped quizzes.
- **Exams:** 4 Exams (15% each exam)
    - Exam 1: Chapters 1, 2, 3
    - Exam 2: Chapters 3, 4, 5.1, 5.2
    - Exam 3: Chapter 5
    - Exam 4: Chapter 6, 7
- **Final Exam: Cumulative (Chapters 1-8)**
- **There are no make-up exams.** If you should miss an exam, your final exam score will replace that test.
- If ***anyone*** does better on the final, I will replace your lowest test grade with the grade from the final exam.
- It is the students' responsibility to drop the class. If you stop attending, I reserve the right to drop you for excessive absences as state in the college catalog. There is no guarantee I will drop you. Imperial Valley College's (IVC) excessive absence policy dictates that instructors may drop students whose unexcused absences exceed the number of hours the class is scheduled to meet per week.

Course Grading Based on Course Objectives

Your final grade in this course will be based on your performance across a variety of activities that reflect the full writing process—from brainstorming and research to revision and reflection. Each assignment category contributes a specific percentage to your final grade:

Grading Breakdown

Category	Description	Weight
Homework	Problems are assigned from the textbook	5%
Quizzes	Daily quizzes to be completed in groups	5%
Project	2 XL Stat Projects	20%
Exams	Three Exams (15% each)	45%
Final Exam	Cumulative	25%

Final Grade Calculation

A: 90% – 100% ; B: 80% - 89% ; C: 70% - 79%; D: 60% - 69% ; F: Less than 60%

Academic Honesty (Artificial Intelligence -AI)

IVC values critical thinking and communication skills and considers academic integrity essential to learning. Using AI tools as a replacement for your own thinking, writing, or quantitative reasoning goes against both our mission and academic honesty policy and will be considered academic dishonesty, or plagiarism unless you have been instructed to do so by your instructor. In case of any uncertainty regarding the ethical use of AI tools, students are encouraged to reach out to their instructors for clarification.

Accessibility Statement

Imperial Valley College is committed to providing an accessible learning experience for all students, regardless of course modality. Every effort has been made to ensure that this course complies with all state and federal accessibility regulations, including Section 508 of the Rehabilitation Act, the Americans with Disabilities Act (ADA), and Title 5 of the California Code of Regulations. However, if you encounter any content that is not accessible, please contact your instructor or the area dean for assistance. If you have specific accommodations through ***DSPS***, contact them for additional assistance.

We are here to support you and ensure that you have equal access to all course materials.

Course Policies

Student Expectations

To be successful in this course, you are expected to:

- **Attend** and **participate** in class every Tuesday and Thursday
- **Form** study groups**.**
- Complete your homework for a section within a couple of days of completing the section in lecture
- Consistently review the material
- Keep an organized list of formulas/definitions/ideas you need.
- Keep your math organized. Write neat. Show your work. Headwork = no credit
- **Communicate** with myself if you have questions
- **Complete** all discussions, assignments, online quizzes, and/or exams on time.

Out of Class Assignments: The Department of Education policy states that one (1) credit hour is the amount of student work that reasonably approximates not less than one hour of class time and two (2) hours of out-of-class time per week over the span of a semester. WASC has adopted a similar requirement. This means you should plan on 3 hours of class time, plus an additional 6 hours each week for working outside of class. This means you should spend at least 9 hours working on math each week.

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Instructor Expectations

As your instructor, I will:

- **Communicate** with you via Canvas Announcements and Inbox.
- **Post** weekly course-related announcements.
- **Respond** to your emails or messages within 24–48 hours.
- Provide individual **feedback** on quizzes and exams within one week of the due date.
- Work with you to ensure a **successful learning experience** in this course.

Academic Honesty Policy

Don't cheat!

Cheating

Cheating includes any attempt to gain unfair academic advantage. Examples include:

- Sharing or receiving answers during exams. Quizzes – you are encouraged to work together. This does not mean quickly copying the answer from a classmate
- Submitting work you didn't complete yourself
- Using unauthorized materials during an assessment

Violations of academic honesty will result in a zero for the assignment and may be reported to the college for disciplinary review.

We all become better learners by upholding integrity in everything we do.

Attendance Policy

Excessive absences may result in you being dropped from the class. The general rule is more absences than one week of class meetings (3 hours). Not showing up does not guarantee I will drop you from the class.

Please refer to the General Catalog for details on drop and withdrawal deadlines.

Financial Aid

Your Grades Matter! In order to continue to receive financial aid, you must meet the Satisfactory Academic Progress (SAP) requirement. Makings SAP means that you are maintaining a 2.0 GPA, you have successfully completed 67% of your coursework, and you will graduate on time. If you do not maintain SAP, you may lose your financial aid. If you have questions, please contact financial aid at finaid@imperial.edu.

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.

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Anticipated Class Schedule/Calendar

Date	Sections Covered	Homework	Quizzes
2.17.26	Introduction to Statistics, 1.1		
2.19.26	Sections 1.1, 1.2	Section 1.1, 1.2	Quiz #1
2.24.26	Sections 1.3, 1.4	Section 1.3, 1.4	Quiz #2
2.26.26	Sections 1.4, 1.5	Section 1.4, 1.5	Quiz #3
3.03.26	Sections 2.1, 2.2	Section 2.1, 2.2	Quiz #4
3.05.26	Sections 2.3, 2.4	Section 2.3, 2.4	Quiz #5
3.10.26	Section 2.4, 3.1	Section 2.4, 3.1	Quiz #6
3.12.26	Section 3.2, 3.3	Section 3.2, 3.3	Quiz #7
3.17.26	Review		
3.19.26	**Exam 1: Chapters 1, 2, 3**		
3.24.26	Sections 4.1, 4.2	Section 4.1, 4.2	Quiz #8
3.26.26	Sections 4.3, 4.4	Section 4.3, 4.4	Quiz #9
3.31.26	Sections 4.5, 5.1	Section 4.5, 5.1	Quiz #10
4.02.26	Sections 5.2, 5.3	Section 5.2, 5.3	Quiz #11
Spring Break			
4.14.26	Sections 6.1, 6.2	Sections 6.1, 6.2	Quiz #12
4.16.26	Sections 6.3, 6.4	Sections 6.3, 6.4	Quiz #13
4.21.26	Section 6.5, 6.6	Sections 6.5, 6.6	Quiz #14
4.23.26	Review, Project #1		
4.28.26	**Exam 2: Chapters 4, 5, 6**		
4.30.26	Section 7.1, 7.2	Section 7.1, 7.2	Quiz #15
5.05.26	Sections 7.3, 8.1	Section 7.3, 8.1	Quiz #16
5.07.26	Sections 8.2, 8.3	Section 8.2, 8.3	Quiz #17
5.12.26	Sections 8.4, 9.1	Section 8.4, 9.1	Quiz #18
5.14.26	Sections 9.2, 9.4	Section 9.2, 9.4	Quiz #19
5.19.26	Project #2	Computer Lab to work on projects	Quiz #20
5.21.26	Review		
5.26.26	Holiday		
5.28.26	**Exam 3: Chapters 7, 8, 9**		
6.02.26	Section 11.2, 12.1	Section 11.2, 12.1	
6.04.26	Review	Project #1 and 2 Due	Quiz #21
6.09.26	**Final Exam: Cumulative**	We will decide toward the end of class if final will be on Tuesday or Thursday	
6.11.26			

*****Subject to change without prior notice*****