## Math 10 − 23 - Elementary Statistics
## CRN# 44483

**Instructor**: Parran Vanniasegaram

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**Office Hours**: MW 3:40 - 4:40 pm (phone or email)

Please do not hesitate to contact me with any questions that you have. I am very happy to answer all of your questions!

**Textbook**: *Understanding Uncertainty, 4th Edition*, by Soler

**Calculator**: You will need to purchase a TI-83+ or TI-84+ calculator; it will be needed for the labs, homework, and exams.

**Course Description**: This course is an introduction to the study of statistics. It does not require a knowledge of calculus but does assume a familiarity with the concepts of intermediate algebra. Students will learn methods of displaying data, descriptive statistics, basic concepts of probability theory, random variables, common statistical distributions, estimates and sample size, hypothesis testing, goodness-of-fit test, contingency table analysis, test of two independent population parameters, and regression and correlation. Students will apply basic statistical concepts to data from education, business, social sciences, and natural sciences. To aid in the analysis of data, the use of technology will be required.

**Time Commitment**: As stated in the De Anza College course catalog, students are expected to spend at least two hours studying outside of class for each credit hour. That means you should be spending at least **four and a half hours** on each homework assignment (reviewing the notes, reading the textbook, doing the homework problems, watching videos related to the course material, etc.).

**Disabled Students Program and Services**: If you have a physical or learning disability that requires special accommodations, please see the Disabled Students Program Counselor. Contact me within the first week of class to communicate your accommodation needs.

**Attendance**: I take attendance using homework submissions. If you have nothing to submit, please send an email explaining why. Otherwise, you will be counted as absent. I reserve the right to drop/withdraw students who are absent more than **two** times during the quarter.

**Class Time**: Since not everyone has a strong Internet connection, we will not be doing video conferencing (ZOOM, etc.) during class. Before class, you are expected to watch videos on Canvas. During class, you are expected to ask questions (phone or email) about parts that you did not understand.

**Withdrawal/Drop Policy**: It is the ultimate responsibility of the student to formally drop the class. You should not rely on the instructor to drop you from a class for non-attendance. You may drop by telephone using the STAR system , or online, or by completing the proper forms in the Office of Admissions and Records. To be eligible for a refund of fees and/or prevent a recorded grade of "F" or "W", you must drop the class on or before the following posted dates:
April 26 - Last day to drop without a "W" and apply for a refund.
June 5 - Last day to drop with a "W".

**Academic Dishonesty**: Cheating is absolutely forbidden in my class. Students who submit the work of others as their own or cheat on exams or other assignments will receive a failing grade in the course and will be reported to college authorities. Please look at the course catalog for more information.

**Homework** is collected every class. There are nineteen homework assignments in total; they are each worth five points. There are two parts to every homework assignment:
1) Complete the homework problems corresponding to the lecture notes/previous videos.
2) Watch videos on Canvas in preparation for the next class.

I do not accept late homework assignments. Your lowest homework score will be dropped.

**Exams**: There will be three exams and each exam is worth 100 points.

**Final Exam**: The final exam will be given during the final exam week and it is worth 200 points; it covers the entire quarter.

**Extra Credit**: There is no extra credit given in this class. If you are interested in improving your grade, please spend more time working on the homework assignments.

**Grading**: It can be inferred from the last few lines that there are 590 total points.

Here is my grading scale:

| A | B | C | D | F |
|---|---|---|---|---|
| 90% - 100% | 80% - 90% | 70% - 80% | 60% - 70% | 0% - 60% |
| 531 - 590 pts | 472 - 530 pts | 413 - 471 pts | 354 - 412 pts | 0 - 353 pts |

**Student Learning Outcome(s):**

*Organize, analyze, and utilize appropriate methods to draw conclusions based on sample data by constructing and/or evaluating tables, graphs, and numerical measures of characteristics of data.
*Identify, evaluate, interpret and describe data distributions through the study of sampling distributions and probability theory.
*Collect data, interpret, compose and defend conjectures, and communicate the results of random data using statistical analyses such as interval and point estimates, hypothesis tests, and regression analysis.