

De Anza College
STAT C1000 – Introduction to Statistics (CRN# 28764)

Instructor: Alex Cheng **Email:** chengalex@fhda.edu

Office Hours via Zoom: Mondays & Wednesdays from 4:30 PM - 5:45 PM
Office Hour Zoom Link Posted in Canvas

This course meets via **Zoom** on **Mondays & Wednesdays, 6:30–8:45 PM.**
Class Zoom Link Posted in Canvas

Course Description: This course introduces data analysis through graphical and numerical methods to study patterns and variation. Students will explore randomness, probability, hypothesis testing, and statistical models to draw conclusions from data. Applications include business, economics, engineering, medicine, education, social sciences, and contemporary issues. Technology use (computers or graphing calculators) is required, and contributions from diverse cultures to the field of statistics are highlighted.

Student Learning Outcome(s)

1. 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.
2. Identify, evaluate, interpret and describe data distributions through the study of sampling distributions and probability theory.
3. 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.

Textbook & Required Materials:

- Introductory Statistics by Illowsky, Barbara & Dean, Susan A FREE pdf version of the textbook is available at:
<https://openstaxcollege.org/textbooks/introductory-statistics> or
- Graphing Calculator with statistical tests functions: TI-83 PLUS, TI-84, or TI-84 PLUS recommended.
- You need to read assigned chapter material each week, available on Canvas.

Attendance: Students are expected to attend all class meetings, arrive on time, take notes, and remain for the entire session. The instructor reserves the right to drop students who are absent more than three times during the quarter. Students who stop attending without officially dropping the course will receive a failing grade. It is the student's responsibility to complete the drop process.

This syllabus may be modified at the instructor's discretion; changes will be announced.

Smartphone Use: Smartphones must be on silent and put away during lecture. They may only be used with instructor permission for class-related activities.

Grade Breakdown:

A+:100-97% A:96-93% A-:92-90% B+:89-87% B:86-83% B-:79-81% C+:77-78% C:69-76% D:62-66% D-:60-61% D+:67-68% F:<60%

Projects (2)	200 points
Exams (2)	200 Points
Final	100 points
**Miscellaneous	100 points
Total	600 points

All grade cut-offs are firm and non-negotiable. For example, an 89% is not an A-, and a 69% is not a C. Requests for higher grades based on transfer goals (e.g., to UCs, CSUs, or top-ranking universities) or scholarship eligibility will not be considered.

Projects: 2 projects will be given throughout the term. All of them can be done in pairs or individually. I will have a sign-up page during the first week. Please try to remain in the same groups for all projects.

Exams & Final: There will be two exams and one final, all taken online. No make-up exams or extensions will be given. In the case of a documented emergency, a missing exam score may be replaced with the corresponding portion of the final exam. Students are expected to uphold academic integrity during all exams; any form of dishonesty or unauthorized assistance will result in disciplinary action. More details about each exam will be provided as the dates approach. Refer to the course calendar for tentative exam dates.

Miscellaneous: In-class assignments may be given. Credit is earned by attending, meeting expectations, and submitting work on time. Missing class or not completing the work will result in no credit, but it will not affect the overall grade.

Tutoring Services: The De Anza campus (S43) has a free tutorial center for math students where students can get "drop in" help or make appointments with a tutor. Also, there are specific MPS tutors available for free. Check Canvas for [links](#) to access these

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tutors through Zoom meetings. Additionally, I am very glad to help you in office hours. Please use your resources.

Academic Integrity: All students are expected to uphold high standards of academic integrity throughout the quarter. Collaboration on assignments is encouraged, but all submitted work must be written independently. Any instance of cheating or plagiarism will result in a grade of 0 on the assignment and will be reported to the PSME Dean, which may lead to dismissal from the class or the college.

Student Honesty Policy: “Students are expected to exercise academic honesty and integrity. Violations such as cheating and plagiarism will result in disciplinary action, which may include a recommendation for dismissal.”

Disabled Services: Students who have been found to be eligible for accommodations by Disability Support Services (DSS), please follow up to ensure that your accommodations have been authorized for the current quarter. If you are not registered with DSS and need accommodations, please go to <http://www.deanza.edu/dss>.

Recipe for Success:

1. If you ever have any questions, Email me! You are welcome to send email to me whenever you need help!
2. Visit the Online Tutoring Center.
3. Form a study group.
4. Attend all lectures, participate in every discussion, and complete every homework assignment.
5. Read the sections to be discussed in class prior to the lecture

Fall 2025 Tentative Schedule

Week	Monday	Wednesday
1	9/22 Ch.1 Sampling & Data	9/24 Ch.1 Freq. Table and graphs
2	9/29 Ch.2 Descriptive Stats	10/1 Ch.2 Descriptive Stats
3	10/6 Ch.3 Probability	10/8 Ch.3 Probability
4	10/13 Ch.4 Discrete Prob.	10/15 Exam#1 (Ch.1-2)

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5	10/20 Ch.4 Discrete Prob.	10/22 Ch.6 Normal Prob.
6	10/27 Ch.6 Normal Prob.	10/29 Ch.8 Confidence Interval Project #1 Due 7/20
7	11/3 Ch.8 Confidence Interval	11/5 Ch.9 Hyp. Testing
8	11/10 Ch.9 Hyp. Testing	11/12 Exam #2 (Ch.3, 4, 6)
9	11/17 Ch.9 Hyp. Testing	11/19 Ch.10 Hyp. Test (2 samples)
10	11/24 Ch.11 Chi-Square Dist.	11/26 Ch.11 Chi-Square Dist.
11	12/1 Ch.12 Linear Reg.	12/3 Ch.12 Linear Reg.
12	12/8 Review Day!	12/10 Final Exam (Ch.8-12) Project #2 Due @11:59PM

Important Dates and Deadlines:

<http://www.deanza.edu/calendar/dates-and-deadlines.html>

De Anza Final exams schedule: <https://www.deanza.edu/calendar/final-exams.html>

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Zoom,Email,Canvas,By Appointment M,W 4:30 PM - 5:45 PM