Syllabus

Math C1000 – 07Y: INTRO TO STATISTICS

DE ANZA COLLEGE

- Instructor: Vinh Thanh Nguyen
- E-mail: nguyenvinh2@fhda.edu
- Office Hours: Tues Thurs 5:00 PM – 6:15 PM Online via Zoom.
- Link: https://fhda-edu.zoom.us/j/88527930719
- Meeting ID: 885 2793 0719; Passcode: 645581
- Class Location and Time: **Mon Tues Wed Thurs 10:30 AM – 11:20 AM in G2.**
- Questions: Please email me and identify yourself and the course you are enrolled in. I will respond to your email within 1-2 business days. Otherwise, please resend it.
- Textbook: Introductory Statistics by Illowsky, Barbara & Dean, Susan
- A FREE pdf version of the textbook is available at: https://openstax.org/details/books/introductory-statistics
- Course Description: This course is an introduction to data analysis making use of graphical and numerical techniques to study patterns and departures from patterns. The student studies randomness with an emphasis on understanding variation, collects information in the face of uncertainty, checks distributional assumptions, tests hypotheses, uses probability as a tool for anticipating what the distribution of data may look like under a set of assumptions, and uses appropriate statistical models to draw conclusions from data. The course introduces the student to applications in engineering, business, economics, medicine, education, social sciences, psychology, the sciences, and those pertaining to issues of contemporary interest. The use of technology (computers or graphing calculators) will be required in certain applications. Where appropriate, the contributions to the development of statistics by men and women from diverse cultures will be introduced. This Statistics course is a required lower-division course for students majoring in or minoring in many disciplines such as data science, nursing, business, and others.
- Course SLO: 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 evaluate conjectures, and communicate the results of random data using statistical analyses such as interval and point estimates, hypothesis tests, and regression analysis.

- Required Materials: Graphing Calculator with statistical tests functions: TI-83 PLUS, TI-84, or TI-84 PLUS is recommended. Access to a computer; we will be using Zoom, and Canvas. Course materials and assignments will be posted on Canvas.
- Course pre-requisites and advisory: ESL 272 and ESL 273, or ESL 472 and ESL 473, or eligibility for ENGL C1000 or ENGL C1000H or ESL 5
- Attendance: This class is an in-person class. Students are expected to attend all classes on time. Students who are absent more than four times may be dropped out of class. However, it is the students' responsibility to drop by the appropriate deadline. Petitions to drop after the deadline will not be considered by the instructor.
- Homework *(100 points):*
    - Homework is the key to success in this class. No late submissions.
    - Plan to spend at least **TWO HOURS** on homework for each lesson.
    - Homework is due every **Sunday at 11:59PM** *(submitted online through Canvas).*
- Quizzes *(100 points)*:
    - Quizzes may be given in class or take-home assignments. Each quiz is worth **20 points.**
    - There are **no makeup quizzes.** A missed quiz, for any reason (including arriving late or leaving early), will receive a score of **zero.**
    - You are **allowed to use notes and calculators** on the quiz day.
    - Your final quiz grade will be based on your five highest quiz scores. **The lowest quiz score will be dropped.**
- Midterms *(200 points):*
    - There will be **four midterm examinations**.
    - There are **no makeup exams.** If you miss a midterm due to what I determine to be an emergency and you provide appropriate documentation, that exam grade will be replaced with your **final exam percentage**. If the absence is not considered an emergency, you will receive a **zero** for that exam.
    - Each midterm is worth **50 points**. On exam days, you are permitted to use **calculators** and **one single-sided page of notes** *(front side only).*
- Final Exam *(100 points):*
    - One comprehensive examination will be given from 9**:15 AM – 11:15 AM on Thursday, June 25$^{th.}$**
    - **Any students who miss the final exam will receive an F grade for the course.**
    - You are allowed to use c**alculators** and **one page of notes** *(front and back side).*

- Withdrawal Policy: The last day to drop without a W is **April 19th.** The last day to drop with a W is **May 29th.**
- Academic Honestly and Discipline Policy: Students are expected to abide by the college's Code of Conduct. All work submitted must be the student's own.
    - Tests and Quizzes: Students who give or receive unauthorized help will forfeit all points for that assignment and may receive a grade of **"F"** in the course.
    - Take-Home Assignments: Any student submitting work that is the same as or substantially like another student's work will be required to **schedule a conference** with me. Evidence of academic dishonesty will result in **zero points** for the assignment and will be reported for further action according to college policy.
- Evaluation Process:

Homework	100 points
Quizzes	100 points
Exam	200 points
Final Exam	100 points
Total	500 points

- Grading Scale:

[460,500]	"A"
[450,459]	"A-"
[440,449]	"B+"
[410,439]	"B"
[400,409]	"B-"
[390,399]	"C+"
[350,389]	"C"
[300,349]	"D"
Below 299	"F"

- Disabled Services: Students who have been found to be eligible for accommodation by Disability Support Services (DSS), please follow up to ensure that your accommodation has been authorized for the current quarter. If you are not registered with DSS and need accommodations, please go to https://www.deanza.edu/dsps/dss/
- Tips for Success:
    - **"DO NOT PROCRASTINATE."**
    - If you have any questions, email me!
    - Visit the Online Tutoring Center.
    - Get to know your classmates and study together.
    - Copy the notes from all lectures, participate in class, and practice doing your homework.

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 evaluate conjectures, and communicate the results of random data using statistical analyses such as interval and point estimates, hypothesis tests, and regression analysis.

Office Hours:

Zoom	T,TH	5:00 PM - 6:15 PM