Stat C1000 Introductory Statistics De Anza College Fall 2025

CLASS MODE: 100% asynchronous
Canvas Course: Will be open to view on first day of class, Monday 9/22. All materials and assignments for this course are available on Canvas week by week. Materials and assignments of each week will be open on Monday through Canvas Modules tab.

Instructor: Vinh Kha Nguyen
How to contact instructor: nguyenvinh@fhda.edu or Canvas Inbox (preferably)
Allow the instructor 24 hours to reply to a Canvas message, email, or comment.
Allow the instructor 72 hours to grade and comment on the exams and other assignments after their due dates.

Office hours: M,T,W,Th 9:30-10:00am in S-76D
W, Th 2:30-3:20pm on Zoom (see Canvas course for zoom link)

Textbook: Introductory Statistics by Barbara Illowsky and Susan Dean on Openstax (free)
https://openstax.org/details/books/introductory-statistics

Required software: StatCrunch program ($14.99 for 6 months)
https://www.statcrunch.com/register/student

Grade is composed of homework, quizzes, discussions, exams, and final.

0-59.99% F	70-76.99% C	80-82.99% B-	90-92.99% A-
60-69.99% D	77-79.99% C+	83-86.99% B	93-100% A
		87-89.99% B+	

homework	quizzes	discussions	Group project	exams	final	total
50pts	110pts	60pts	60pts	120pts	100pts	500pts

Homework: each hw and due date are posted on Canvas. Late homework receives 0 points.
Discussions: each discussion and due date are posted on Canvas. Missed discussion receives 0 points.
Quizzes**:** each quiz and due date are posted on the course Canvas. *Missed quiz* receives 0 points.
Exams: each exam and due date are posted on the course calendar and Canvas. All exams are comprehensive, focusing on the knowledge and skills students have developed throughout the course. *Missed exam* receives 0 points.
Final: comprehensive and given on Monday 12/08 on Canvas. There is no make-up for final exam.
Group Project: project due date is posted on the course Canvas Grade tab. *Missed project gets 0pts. Students who do not participate in the group project will be required to complete it independently*.

If you notice that the instructor made an error on the grading, you are responsible to inform the instructor within a week of the date of the exam/quiz. Otherwise, your score on the exam/quiz will be unchangeable.

Makeup Policy: No makeup quizzes or exams are available. Students must notify the instructor in advance of a missed quiz or a missed exam to use the following makeup policy.

Only 1 missed quiz due to an excused absence or emergency will be covered by the next quiz.
Only 1 missed exam due to an excused absence or emergency will be covered by the final exam (equivalent percent).

Exam procedure/policy:
- Each exam is 60 minutes for part1 and 30 minutes for part2, and there is no dropping lowest exam score.
- The Final Exam is 2 hours. (see course calendar for detail)
- Make sure you have fully studied and prepared before you take each exam. (see Canvas Modules for outlines)
- **All exams and final exam must be taken on Canvas.**
- **Do the syllabus and canvas quiz to learn how Canvas grades.**

Academic Integrity: Students will get 0 points on the related assignments if:
- Cheat on exams and assignments
- Copy other's work as their own
- Alter work on exam/quiz after it has been graded to deceive the instructor
- **Uploading/sharing instructor's exams or a part of the exam online for others to view will result in a failing grade.**

Repeated academic dishonesty will result in a failing grade in the course. Moreover, all academic dishonesty instances will be reported to the college!

Time Commitment: As stated in the De Anza College course catalog, students are expected to spend at least 5 hours each week reading lecture notes and the textbook, doing all examples in lecture notes. Students are also expected to spend at least 10 hours each week studying for quizzes and exams and doing homework. Students may want to spend extra hours watching other Youtube videos for more examples. This asynchronous course requires serious self-discipline and time management to succeed.

Grade improvement: This class is rigorous, so it can be fast-paced and challenging quite often during the semester. The only way to build confidence is through practice and more practice. Other strategies to improve grade: take detailed notes, ask questions when in doubt, work with classmates during group work, form study group, do hw sooner rather than later, seek help when needed, understand rather than memorize, prioritize tasks, avoid multi-tasking while studying, etc. **If you are interested in improving your grade, please spend more time studying and doing the homework.**

Campus tutoring, additional assistance, and Internet resources:

- On campus tutoring in S43: https://www.deanza.edu/studentsuccess/mstrc/
- Online tutoring: https://www.deanza.edu/studentsuccess/onlinetutoring/
- Student Services: https://www.deanza.edu/services/
  Disability Support Service, EOPS, Veterans, CalWORK, Foster Youth, Food Pantry, Health Services, etc.
- The Internet: Youtube lecture video, Khan Academy, etc.

Student Responsibilities:

- Read and follow the syllabus carefully.
- Watch lecture videos, take notes, and study problems on the note before working on homework.
- Read the textbook for more examples.
- Complete and submit all assignments on time.
- Study and prepare for quizzes and exams.
- Behave as an educated and civilized individual and be held accountable for your actions.

Attendance: Students are expected to complete all weekly assignments on Canvas. Missing a week of assignment is the same as missing a week of class. If so, the student may get dropped from the course.

Withdrawal/Drop Policy: It is the ultimate responsibility of the student to drop the class. Do not rely on the instructor to drop. A student who stops working on assignments and fails to withdraw by the deadline will get a grade FW.

Expected Student Conduct: A student who is disruptive will be asked to leave the class. A student who refuses to leave the room will be dropped from the class and will be reported for further action. During the quarter, if you have any questions about the course policies, you will be first referred to this syllabus. Please make sure you keep a copy. You can find Foothill-De Anza College Code of Conduct at https://www.deanza.edu/student-development/conduct.html

Accommodation: Students who need additional accommodation, due to learning disability or some other reason, please contact the instructor during the first two weeks of class to discuss your options. Disability Support Services determines accommodations based on appropriate documentation of disabilities. DSS is located in Student Community Services building room 141, and their phone number is (408) 864-8753.

All students registered for this course will be expected to uphold the following values:
We strive to establish a class atmosphere that is welcoming and inclusive so that students may bring their authentic selves and work to reach their potential. We recognize the value and individuality that each student brings – our learning experience becomes all the richer when we hear from different perspectives. As such, we support all students equally, without regard to race, color, religion, gender, gender identity or expression, sexual orientation, national origin, genetics, disability, age, or veteran status.

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. Students will learn how to use technology to analyze data and will explore applications in many different fields.

Course SLOs: Upon successful completion of the course, students will be able to:

- 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.

Tentative Course Calendar (students are responsible to check Canvas daily for assignments and due dates)

Week1 9/22-9/28
- Ch1 Data and Sampling
- Ch1 quiz, discussion#1, ch1 hw, Syllabus and Canvas quiz due by Sunday

Week2 9/29-10/05
- Ch2 Descriptive Statistics
- Ch2 quiz, discussion#2, ch2 hw due by Sunday

Week3 10/06-10/12
- Ch3 Probability
- Ch3 quiz, discussion#3, ch3 hw due by Sunday

Week4 10/13-10/19
- **Exam#1 on Monday**
- Ch4 Discrete Random Variable and Ch5 Continuous Random Variable
- Ch4 quiz, discussion#4, ch4 hw due by Sunday

Week5 10/20-10/26
- Ch6 Normal Distribution and Ch7 Central Limit Theorem
- Ch6-7 quiz, discussion#5, ch6-7 hw due by Sunday
- **Group project** (assigning groups, students are expected to work on group project throughout the quarter)

Week6 10/27-11/02
- Ch8 Confidence Interval
- Ch8 quiz, discussion#6, ch8 hw due by Sunday

Week7 11/03-11/09
- **Exam#2 on Monday**
- Ch9 Hypothesis Test with One Sample
- Ch9 quiz, discussion#7, ch9 hw due by Sunday

Week8 11/10-11/16
- Ch10 Hypothesis Test with Two Samples
- Ch10 quiz, discussion#8, ch10 hw due by Sunday

Week9 11/17-11/23
- Ch11 The Chi-Square Distribution
- Ch11 quiz, discussion#9, ch11 hw due by Sunday

Week10 11/24-11/30
- Ch12 Correlation and Linear Regression
- Ch12 quiz, discussion#10, ch12 hw due by Sunday

Week11 12/01-12/07
- Ch13 One-Way ANOVA and the F-distribution
- Discussion#11 due by Sunday, last week to work on group project

Week12 12/08-12/12
- **Final exam on Monday**
- **Group Project due on Monday**

10/05 Last day to add/drop a class without W
10/06 Census
11/14 Last day to drop a class with W

Statistics Homework
(see Canvas for due date, scan and upload files in .pdf format)

- Homework is graded on completeness and neatness, see tentative course calendar for due date.
  - Must show work for each problem. Hw without show work will be -1pt.
  - Submit one file per homework. If not, hw will be -1pt.
  - Name each file to match with the hw description. If not, -1pt.
  - Deduct points from each missing problem depending on the amount of problems in each hw.
- Why should students care about showing work?
  - **Practice makes confidence**
  - **Help to prepare for quizzes and exams**
- Students are responsible to do all homework and submit the work on time,
  - Late hw gets a solid 0pt, so do not submit late hw.

NOTE: To scan and upload hw on Canvas with your phone, I recommend the free Adobe Scan app.
It is ok to write your hw on an ipad or tablet and convert it to .pdf files to upload on Canvas.

Ch1 Hw do all problems on Ch1 hw worksheet (5pts)

Ch2 Hw do all problems on Ch2 hw worksheet (5pts)

Ch3 Hw do all problems on Ch3 hw worksheet (5pts)

Ch4 Hw do all problems on Ch4 hw worksheet (5pts)

Ch6-7 Hw do all problems on Ch6-7 hw worksheet (5pts)

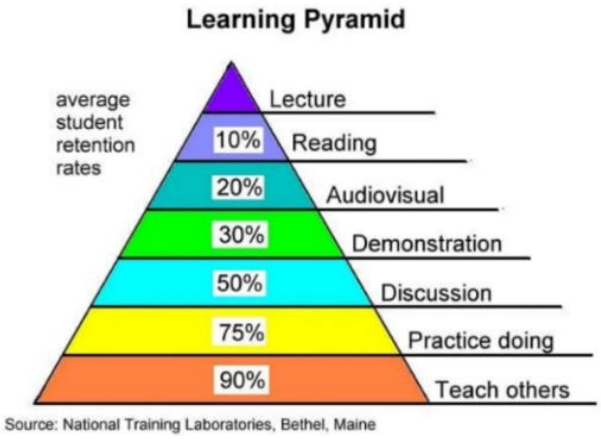
Ch8 Hw do all problems on Ch8 hw worksheet (5pts)

Ch9 Hw do all problems on Ch9 hw worksheet (5pts)

Ch10 Hw do all problems on Ch10 hw worksheet (5pts)

Ch11 Hw do all problems on Ch11 hw worksheet (5pts)

Ch12 Hw do all problems on Ch12 hw worksheet (5pts)



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:

M,T,W,TH	9:30 AM - 10:00 AM	S-76D
W,TH	2:30 PM - 3:20 PM	Zoom