

De Anza College – Summer 2020

MATH 10-09 Introductory Statistics

Instructor: Paul Du, PhD
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Class: MTWTh 3:00 pm–5:15 pm, Online
Office Hours: By Appointment

Prerequisite

MATH 114 or equivalent with a grade of C or better.

Course Materials

- Course Notes (Required)
- References:
 1. *Introductory Statistics*, OpenStax. (Open Source Textbook: <https://openstax.org/details/introductory-statistics>)
 2. *OpenIntro Statistics*, 4rd Edition. (Open Source Textbook: https://www.openintro.org/stat/textbook.php?stat_book=os)
- Others: 3-ring binder, loose-leaf paper/notebook, pencils, eraser, colored pen

Calculator

A TI-84 Plus graphing calculator is required. Cell phone calculators will not be allowed on exams or quizzes.

Workload

This is an intensive, fast-paced summer course. Students are expected to spend a minimum of 2 to 3 hours outside of class each day reading the notes/book, solving homework problems, and preparing for the exams.

Homework and Quizzes

Homework will be assigned for each lesson and will be due on each exam day. Students are responsible for solving all the problems assigned, showing all work in a neat and orderly manner. Simply giving answers without showing work will receive no credit. Homework will be graded on neatness, completeness, and correctness. Late homework will be accepted but will receive a maximum of half credit.

There will be three (3) quizzes given throughout the summer session. Quiz problems will be based on the homework and class examples. The lowest quiz score will be dropped. There will be **no make-up quizzes under any circumstances**.

There will be two (2) labs. Students will work as a group of two to three to conduct data analysis and writing a short report. Detailed information will be provided when the labs are assigned.

Exams

There will be two (2) midterm exams given during the quarter. Students may bring one 3" × 5" index card (two-sided) of handwritten notes to each midterm exam. The lowest midterm exam score will be replaced by the final exam score, if the latter is higher. There will be **no make-up midterm exams under any circumstances**.

A mandatory comprehensive final exam will be given at the end of the quarter. Students may bring one 8.5" × 11" sheet (two sides) of handwritten notes to the final exam. Any student who **misses the final exam will receive a grade of F** for the course.

Grading Policy

The course grade will be determined by the following criteria:

Homework	10%	[99%, 100%] = A+	[80%, 82%) = B–
Quizzes	10%	[92%, 99%) = A	[77%, 80%) = C+
Labs	10%	[90%, 92%) = A–	[65%, 77%) = C
Midterm Exams	40%	[87%, 90%) = B+	[55%, 65%) = D
Final Exam	30%	[82%, 87%) = B	[0%, 55%) = F

Attendance Policy

Students are expected to attend all classes, to be on time and to stay for the entire class period. Any student who misses more than one (1) class during the first two weeks or more than three (3) classes before the withdraw deadline may be dropped by the instructor. If a student decides not to continue with the course, it is the student's responsibility to officially drop the course. Failure to do so may result in a grade of F for the course.

Academic Honesty Policy

Students are responsible for keeping themselves informed of the De Anza College Policy on Academic Integrity (www.deanza.edu/policies/academic_integrity.html). Cheating will not be tolerated and may result in receiving a zero on the exam or an F for the course and being reported to the Dean of Students Office for possible disciplinary action.

Student Conduct and Classroom Behavior

Students are responsible for keeping themselves informed of the De Anza College Student Code of Conduct (www.deanza.edu/student-development/conduct.html). Disruptive classroom behavior is unacceptable. Examples of such behavior include, but not limited to, talking during lecture and student presentation, making distracting noises, or arriving to class late or leaving early. Persistent disruption may result in being asked to leave the class and/or being referred to the Dean of Students Office.

Accommodations for Students with Disabilities

Students with disabilities who believe that they may need accommodations in this course are encouraged to contact Disability Support Services (408-864-8753) or Educational Diagnostic Center (408-864-8839) as soon as possible to ensure that such accommodations are arranged in a timely fashion.

Additional Help

Math and Science Tutorial Center provides free online tutoring services. (<https://www.deanza.edu/studentsuccess/onlinetutoring/>). A good online learning resource is Khan Academy (<https://www.khanacademy.org>).

Tips for Success

- ▶ Participate actively in class.
- ▶ Work problems every day.
- ▶ Review old material constantly.
- ▶ Form a study group.
- ▶ Utilize tutoring and online resources.

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.