Math10.Q1 & Math-210.Q1-Elementary Statistics and Probability-Spring 2023

Instructor: Gul Yayli - yayligul@fhda.edu

Required Meeting times on Zoom: Mondays 4:00 pm-6:15 pm
Tuesdays 4:00 pm-6:15 pm
Thursdays 4:00 pm-6:15 pm
Please refer to Zoom tool on the left-hand side menu of your Canvas to join the meetings.
All zoom meetings will be recorded and posted on your Canvas. You are expected to keep your cameras on during our zoom meetings.

Office Hours: Office hours will be via email. If you email at yayligul@fhda.edu during the hours below you will get a response right away.
- Wednesday 9:00 pm - 10:00 pm
- Friday   1:30 pm - 2:30 pm

Furthermore, please email me any time at yayligul@fhda.edu, and expect to hear from me within 36 to 48 hours during weekdays. I also strongly encourage you to email me to schedule a Zoom meeting for extra help.

Prerequisites:
- **Math Prerequisite:** Math 114 Intermediate Algebra with grade of C or better; or equivalent placement
- **English Advisory:** EWRT 211 and READ 211 (or LART 211), or ESL 272 and 273. Although this is a Math course, English reading comprehension and writing are very important in Math 10.

Textbook: Elementary Statistics 3rd Edition by Navidi & Monk
Digital version of the interactive textbook will be available for student access for **free** on Connect Math.

Class Materials:
- Required Graphing Calculator: TI-83/TI-83+/TI-84/TI-84/TI-89
- A Computer with Camera to complete online homework assignments on Connect Math and submit work on Canvas.
- A notebook where you will record notes for each chapter, including work for doing the homework problems. (This is to help you organize your work and can be used on quizzes/exams. I will not be collecting this!).

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 use of technology (computers or graphing calculators will be required in certain applications. Where appropriate, the contributions to the development of statistics by people from diverse cultures will be introduced.

Course Structure & Content

This is an online class, and the instructional method is synchronous. Lectures will be delivered online via Zoom during scheduled class times. Zoom Lectures will be recorded and will be accessible on your Canvas. We'll be **using CANVAS to manage our class documents and deadlines.** Furthermore, your mid-term exams, quizzes and final exam will be on Canvas. Please be sure to download your Canvas app to your phone, and check it daily for updates, messages, and announcements. For homework we will be using **Connect Math.** Your homework will include watching tutorial videos and answering online questions.

- This course is
  - Required for students who had a high school GPA that is less than 2.3
  - Recommended for students who had a high school GPA that is between 2.3 and 2.99
  - Optional for all other students.
- Students in this class will receive 7.5 credit hours for taking this class and its co-requisite course and the course has two components.
  - MATH 10 covers all required topics in Elementary Statistics. Your grade in this portion of our class will count for 5 credit hours and will impact your De Anza GPA (grade point average).
  - MATH 210X is extra time and review of key concepts related to our class. This is the co-requisite portion of our class.

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All class assessments
- Will be on Connect Math/Canvas during our zoom class sessions on Thursdays.
- Will be on zoom with videos on, therefore make sure you have a WORKING camera from day one.
- When you are done with the assessment, you will first submit the test, then log out of canvas and LASTLY switch off the camera and log out of zoom (if the class is over).
- You may not have any ear phones/ head gear during assessments. You may not talk to anyone.
- You have to be clearly visible on camera, so please don't wear hats and keep your room well lighted.

Evaluation and Grade Break Down:	3 Midterm Exams	30%	(10 % each)
	Group Work & Labs	10%	
	Homework (On ConectMath)	30%	
	Quizzes	15%	
	Canvas Q&A and Discussions	2% (extra credit)	
	Final Exam	15%	
	Total	102%	

A+: (97% - 100%) A: (92% - 96%) A-: (89% - 91%) B+: (87% - 88%) B: (82% - 86%) B-: (79% - 81%)

C+: (77% - 78%) C: (69% - 76%) D+: (67% - 68%) D: (62% - 66%) D-: (60% - 61%)

F: < 60%

Homework: **Graded homework will be done using Connect Math.**

- 30% of your grade.
- Weekly homework is always due on Sunday at 11:59 pm
- You will have regular weekly required assignments on Connect Math, and you can expect to spend several hours a week working on them.
- Your homework will include watching tutorial videos and answering online questions.
- You are expected to watch related tutorial videos as a part of your homework before coming to your zoom class.
- Watching tutorial videos will be your prerequisite for answering online questions, therefore please watch the tutorial videos for the related work before proceeding with your online homework questions.
- This is your graded homework, and you will be allowed several, and sometimes unlimited attempts at each chapter assignment for each question.
- If you never open an assignment before it's due date, or do not attempt ay of the questions; you will not be able to access that assignment once it's due date is passed. Therefore, I strongly recommend that you attempt each and every assignment in a timely manner.
- You will be allowed to continue working on the assignments after their due dates. Every question that you answer after the due date will have a 50% penalty.

Quizzes: There are several scheduled quizzes on Canvas throughout the quarter.
- 15% of your Grade
- Quizzes are based on class work and homework.
- There will be no make-up quizzes, therefore the lowest 1 of your quiz scores will not be counted toward your grade.

Group Work& Labs: There are three group works and three labs.
- 10% of your grade
- No extensions will be given.
- Each group of up to 4 students submit one assignment.
- Grades will be the same for all members of a group.
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Midterm Exams:
- Each Midterm will be 10 percent of your course grade. Therefore, in total 30% of your grade.
- 3 Exams will be given on Canvas.
- If you do miss an exam, your grade will be recorded as 0 in Canvas then, at the end of the quarter, your final exam will replace this 0 score.
- Please refer to your tentative Course Calendar for exam dates and coverage.

Canvas Q&A and Discussions:
- 2% extra credit
- Comment on an article, video, general class questions that are posted.
- Due on Sunday by 11.59 pm
- Needs to be 2 lines or more.

Final Exam: **Final Exam will be held on Wednesday, June 28 between 4:00 pm- 6:00pm.**
- 15% of your grade.
- Comprehensive 2 hour final exam.
- All the details regarding your final exam will be posted on your Canvas.

Dropping:
- If you want to drop the class, do so according to the procedure listed in the schedule of classes. Failure to do so may result in a grade of F for the course.
- Make sure you pay attention to College dates like the last day to drop a course with No Record, the last day to request a P/NP for a course, and the last day to withdraw from a course.
- See the Schedule of Classes for these dates on De Anza Website.

Dropped/Replaced Grades:
- Lowest Discussion score will be dropped.
- Lowest Homework grade will be dropped.
- Lowest Quiz grade will be dropped.
- No Lab grades will be dropped.
- Lowest Exam grade will be replaced by Final Exam grade if the Final Exam grade is higher than the lowest exam grade.

Attendance:
- Regular attendance at classes is required and is considered essential for successful academic work. Attendance is required via actively participating in online Zoom classes.
- I expect you to keep your cameras on and fully engaged with the material during our zoom class sessions.
- I might drop any student who has not logged onto the Canvas course or/and did not activate their Connect Math online homework website by 6pm on Tuesday September 27.
- Any student who has accumulated the equivalent of **4** absences will be dropped from the class. It is **your responsibility** to drop the class by the appropriate due date. You assume full responsibility for work missed because of absence. If you must miss a class, it is your responsibility to get notes from another student and/or look for missed work &recordings on Canvas.
- Attendance will be taken at the beginning and end of each class meeting, and arriving to class more than **5** minutes after the class starts, or leaving the class more than **5** minutes before class ends will be counted as half absence .
- If you miss any class, you are expected to email me.
- If you miss the first two of the classes, you will be dropped to make room for the wait list students.

Strategies for Success: This is an online learning class; therefore, your learning will be facilitated by the material that I will be providing through Zoom Class Sessions, Canvas (LMS), and Online Homework System Connect Math.
- It is essential that you keep up on the material and work to be done by setting aside at least 15 hours per week.
- Start the homework long before it is due so that when you have any questions or technical trouble you will have enough time to sort it through.
- Read the textbook. Your Connect Math Account Comes with your digital textbook.

- I am going to be helping and supporting you thought the entire quarter, therefore please email me, show up to my in-person Zoom office hours, and post discussion questions in Canvas as soon as you need help.
- Form study groups.
- If you miss a class, be sure to watch the recorded lecture videos on your Canvas. Pause or rewind the video when necessary to take notes and copy down the parts you do not understand to ask me during our office hours or simply via email. I will also make written lecture notes available on your canvas after each zoom class session. I hope that this will help you to follow the course more easily. It will be your job to study/review those lectures notes while watching recorded lectures.

Tutorial Help: Refer to "Office Hours and Tutoring" under the Course Orientation Module of your Canvas.

Academic Integrity: Academic dishonesty will not be tolerated. Students are expected to do their own work on quizzes and exams. Students may work together on homework and group work. Cheating would also involve sharing your group work with another group so that they can copy; in this case, both groups will have cheated and earn a zero on the group work. If a student is found cheating and/or copying on any assignment, test or quiz or violating any other code of academic integrity, he or she will receive a 0 on the assignment and will be reported to college authorities.

Zoom Etiquette: Refer to "Zoom Etiquette" under the Course Orientation Module of your Canvas.

Resource Center for Undocumented Students - HEFAS (Higher Education for AB 540 Students) provides free services, reduces financial stress and creates a safe space for all with an emphasis on undocumented and AB 540 students. They are dedicated to building leaders, promoting social justice, and giving students tools to reach higher education regardless of the barriers that may exist. HEFAS provides free services like books and testing materials and connects students to on and off campus resources including tutoring, counseling and legal aid. More information is on their webpage https://www.deanza.edu/hefas.

Resources for daily essentials like food, housing, and transportation De Anza is here to support students with whatever struggles you may have. Please visit here to see the many supports we offer students.

Expectations and How to be successful in the course:

As a student of an online learning class, be self-directed, manage your time efficiently, and assume greater responsibility for your own learning.

- Attend daily scheduled zoom-class sessions.
- Participate, collaborate and take responsibility for your group work during and outside of zoom lecture sessions.
- Follow the Zoom Etiquette best to your ability.
- Participate Q&A discussions on Canvas.
- Do all the assigned homework long before it is due focusing more on the ones you struggle with.
- Do not wait until you are drowning to ask for help.
- Attend my zoom office hours, or make an appointment with me at a different time, or send me an email with your questions.
- Ask for help with anything you don't completely understand, even if you got the right answer.
- De Anza College has several resources and accommodations for student success, get to know them and make use of the services, they are all for you.
- Have fun.
- Ask questions, asking questions is a crucial part of learning process.
- Pay attention.
- Stay focused.
- Get frustrated, and then un-frustrated.
- Discuss problems with your classmates, get into study groups.
- Spend at least 2 hours on your course per day, study on daily basis, don't leave it all the last minute.
- Have more fun!

Tentative Course Callendar

Week	Topics Covered each Week	Homework Submission Deadline: Sunday Night at 11:59 pm Detailed due dates are listed on Connect Math
Week#1	Introduction, Chapter 1&2 Corequisite-210x-work	
Week#2	Chapter 3&4 Corequisite-210x-work Collaborative Lab#1 (Chapter#2)	
Week#3	Chapter 4&5 Corequisite-210x- work	Lab#1 Due
Week#4	Chapter 5 Corequisite-210x- work	Exam#1(ch.1,2,3,4)
Week#5	Chapter 6&7 Corequisite-210x- work	
Week#6	Chapter 7 Corequisite-210x- work Collaborative Lab 2(Chapter 7)	
Week#7	Chapter 8 Corequisite-210x- work	Lab 2 due Exam#2 (Ch. 5,6,7)
Week#8	Chapter 8&9 Corequisite-210x- work	
Week#9	Chapter 11 Corequisite-210x- work Collaborative Lab 3(Chapter 9)	
Week#10	Chapter 12 Corequisite-210x- work	Lab #3 Due
Week#11	Chapter 14 Corequisite-210x- work	Exam#3 (Ch. 8,9,11)
Week#12	FINALS WEEK	

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.

Office Hours:

W,F   09:00 PM   10:00 PM   Email