

# Math 10-Q12: Elementary Statistics and Probability (Includes required corequisite Math 210X-Q12) Winter 2020

**Instructor:** Kelly Lundstrom

**Course Info:** Math 10 – Q12 & Math 210X-Q12, TWTh 1:30 PM – 3:45 PM, Room G10

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**Office:** PE41h

**Office Hours:** Mondays 11:30 PM – 12:20 PM in **S43**

Tuesdays & Thursdays 12:30 – 1:20 PM in **S43**

Wednesdays & Fridays 9:00 – 9:25 PM in **PE41h**

& available by email (lundstromkelly@fhda.edu)

## Textbook & Required Materials:

- Optional Textbook: Inferential Statistics and Probability by Geraghty. Free PDF will be emailed and posted on our Canvas class site.
- Required Workbook: Inferential Statistics and Probability Workbook: A Holistic Approach by Bambhania and Geraghty (print copy available for around \$30 at De Anza Bookstore, or you may print your own copy or use electronically on a tablet)
- Required Graphing Calculator: TI-83/TI-83+/TI-84/TI-84+ (no cell phone calculators allowed!)
- Computer to complete online homework assignments and submit labs on Canvas (Note: our campus has computers you may use for free if you do not own one)

**Grades:** I will use Canvas to update grades regularly throughout the quarter. You should check your grade at least once a week. Go to [deanza.instructure.com](http://deanza.instructure.com) to log in and check your grade!

A *weighted* grading scale will be used as follows:

**Homework (15%):** There will be two types of homework assigned – **online and from the textbook**. Homework from the textbook will require you to write up your answers, neatly, so that I can follow and will be graded on accuracy and completion. If problems require any work, it must be shown to get full credit. Online homework will be submitted completely online at the free site [myopenmath.com](http://myopenmath.com) and will not require work to be turned in. Homework will be assigned for each chapter. Due dates and homework assignments will be posted to Canvas. Late homework will not be accepted unless accompanied with a No Questions Asked Pass. Do not fall behind on homework. It is vital that you work on math homework each night to guarantee your success.

**In-Class Participation (5%):** Your attendance and punctuality will be required and rewarded! Expect a 60 second question at the start of most classes that you must complete and turn in for points. These will be on material covered in the previous lesson, so study your notes and complete homework before coming to class to be prepared. You will be allowed to work with one partner if you choose. Additionally, you will have group activities during class that will also count towards this category. Missed in-class activities cannot be made up, regardless of your reason for missing class.

**Labs (10%):** We will be using R, a free, open-source and very powerful statistical software tool for three in-class labs in the computer lab. It is recommended that you download R on your home computer as well, if possible, from this webpage: <https://cloud.r-project.org/>. Labs may be done in groups of up to three people and are due one week after they are assigned. Late labs will not be accepted unless accompanied with a No Questions Asked Pass.

**Quizzes (10%):** We will have ten quizzes this quarter: six in-class quizzes you complete by yourself, and four in-class group quizzes. Quizzes are an excellent tool to prepare for exams. You may use a 3" by 5" note card of your handwritten notes (both sides) for in-class quizzes, and you will need a graphing calculator. NO make-up quizzes will be given, and a missed quiz earns a zero. I will drop your lowest **two** quiz scores.

**Exams (40%):** There will be three in-class exams during the quarter. You may use a full sheet of your handwritten notes (one side only), and you will need your graphing calculator. These exams will be completed in class and will contain the material covered during class. If you are unable to take an exam for any reason, **a makeup exam will not be given.** A missed exam earns a zero. I will replace your lowest midterm exam with the percentage of your final exam, provided it is higher.

**Final Examination (20%):** There will be a comprehensive final examination on **Tuesday, March 24 from 1:45 PM – 3:45 PM.** You may use a full sheet of your handwritten notes (both sides) and you will need your graphing calculator.

**No Questions Asked Passes:** This quarter you will be given 3 No Questions Asked Passes. Ordinarily I do not accept late homework assignments or labs. However, I do realize that things do come up that may keep you from completing an assignment. **If you do not turn in a homework assignment or a lab, you automatically receive a zero. If you would like to complete the assignment, you must email me at [lundstromkelly@fhda.edu](mailto:lundstromkelly@fhda.edu) on the day the assignment is due and request to use one of your no questions asked passes.** You will be granted a 3 day extension and can earn up to full credit on the late assignment, provided you turn it in 3 days after the assignment was due. Any No Questions Asked Passes that are not used will be counted towards extra credit in the homework category. (Each pass is worth 10 points of extra credit. For comparison, each online homework is worth 30 points and textbook homework can be worth between 15-40 points give or take.)

**Letter Grade Earned:**

A+: 98 – 100%	B+: 87 – 89%	C+: 77 – 79%	D: 60 – 69%	F: 0 – 59%
A: 93 – 97%	B: 83 – 86%	C: 70 – 76%		
A-: 90 – 92%	B-: 80 – 82%			

A grade of "FW" will be assigned to students who have a course score that is less than 60 and who have not attended class after the "Drop with Withdrawal" date (February 28, 2020). Note: This grade will affect your financial aid! Be aware!

**Tutoring Services:** The De Anza campus has a *free* tutorial center in S-43 for math students where students can get "drop in" help throughout the quarter. Additionally, if you want a personal *free* tutor throughout the quarter, you may request one, but please do so within the first week of the quarter as they get booked fast. Finally, I would love to help you in office hours. Please use your resources.

**Student Conduct:** Students are expected to do their own work on quizzes and exams. You may not talk to someone during an exam or quiz (unless it is a group quiz), and you may not look at someone else's exam or quiz. Students are expected to do their own work on labs. Cheating would involve sharing your lab with another group so that they can copy; in this case, both groups will have cheated and earn a zero on the lab. Anyone caught cheating will receive an automatic zero and be reported to the Dean of the PSME Division. Students may work together on homework.

**Classroom Behavior:** Please do not use cell phones or other electronics during class. I do not want to hear or see them. If you must answer a call, please leave the room to do so.

**Attendance:** Students are expected to attend every class meeting and be on time. Missing even one day will cause you to fall behind. If you miss a day, it is your responsibility to seek out another student or myself to find out what you missed. *You should always email the teacher ahead of class if you are to miss a class.*

**Important Dates:**

- The last day to add classes is Saturday, January 18.
- The last day to drop for a full refund no record of grade is Sunday, January 19.
- The last day to request pass/no pass grade is Friday, January 31.
- The last day to drop with a "W" is Friday, February 28.

**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 the DSS office in the Registration & Student Services Building (RSS) - Room 141 for information on eligibility and how to receive support services. You can also go online to <http://www.deanza.edu/dss>.

**HEFAS- 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. **The on campus** office is located in ECOT-2 and 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 <http://deanza.edu/resources/> to see the many supports we offer students.

This syllabus is subject to change at the instructor's discretion. Changes will be announced in class and

on Canvas.

**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.