

MATH 10.Q01/210X.Q01 – Fall 2022

Statistics

De Anza College

Text: Introductory Statistics, 1st ed, by Illowsky and Dean (available for free online - you **do not** need a hard copy)

Link to download pdf file of Introductory Statistics:

<http://openstaxcollege.org/textbooks/introductory-statistics/get>

Link to view online at Connexions (www.cnx.org): <http://cnx.org/content/col11562/latest/>

Instructor: Leah Lane

Class Meetings: Tu/Th 8:30-10:45am on Zoom (link and passcode in Canvas Introduction Module)

Email: laneleah@fhda.edu

Disclaimer: All information in this syllabus is subject to change. If there are changes, I will announce them via email.

Course Description and Outline of

Required Topics: <http://ecms.deanza.edu/outlineprogresspublic.html?catalogID=2175>

Class Requirements:

1. Canvas
2. Email – This will be the primary mode of communication throughout the quarter, and given our instruction is online, it is imperative that you receive and read these messages. Please make sure the college has the correct email address on file for you, this course requires that you check email daily (at least).
3. WebAssign – I will link WebAssign through Canvas, so once the course is available in Canvas you will have one main “hub”. You will need to purchase WebAssign for the quarter, and you will access your assignments through Canvas. WebAssign will cost about \$40 for the quarter.
4. Textbook - Introductory Statistics by Illowsky and Dean (available for free online, no need for a hard copy unless you want one)

Link to download pdf file of Introductory Statistics:

<http://openstaxcollege.org/textbooks/introductory-statistics/get>

Link to view online at Connexions www.cnx.org:

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5. TI-83, TI-83+, TI-84, or TI-84+ calculator

*If you choose to use a non-approved calculator, you accept responsibility for becoming proficient in its operation, as statistical methods/computations will be taught/demonstrated on the TI-83/84 Plus only. An online version of the calculator is totally fine. You can also rent them if you don't want to buy! You will need the calculator by the 2nd week of class.

6. A device for live class meetings and a way to share work with the class/your classmates.

Class Setup/

Weekly Schedule:

This class consists of both synchronous and asynchronous components. Pre-recorded lecture videos will require approximately 2.25 hours/week. Live Zoom class meetings will be about 4.5 hours/week. Remaining studying, class work, HW and other assignments will take approximately 10 hours/week. Please make sure you have the time to devote to this course this quarter!

Mondays and Wednesdays (and other days): Watch lecture videos, work on HW, complete discussion assignments, and study. Lecture video links and PowerPoint notetaking guides are

posted in the weekly modules. Please print the PowerPoint files (multiple slides to a page!) and take notes while watching the video lectures. Pretend you are sitting in a live classroom and participate! Pause the video where noted to complete example problems on your own. How much you get out of these lecture videos is very heavily dependent on what you put in to them. Please don't fall behind – be very careful to stay up to date with the calendar at the end of this syllabus. You are expected to watch the video lectures before topics are discussed during class time, so you can enter live class meetings prepared to discuss the topics covered in videos and ask specific questions related to the lecture.

Tuesdays and Thursdays we will meet live in Zoom from 8:30-10:45am. The link can be found in the Introduction Module. You are expected to attend these meetings. Be sure to watch appropriate lecture videos before attending. We will use these synchronous meeting times to go over additional examples, address your questions, complete worksheets/presentations/labs (breakout rooms will be utilized every class meeting, aside from exam days), and to take exams. Please note, **there will not be lecture in live meetings**; lectures will be pre-recorded and you'll need to watch those on Monday/Wednesday in order to be prepared for our class meetings. The course schedule is on the last page of this syllabus.

The course will be divided into weekly modules in Canvas. Weeks will run from Monday to Sunday. WebAssign HW and any discussion assignments will be due Sunday night at 11:59pm. Exams will be taken on specified days during class time (through Canvas).

210X or 410X

Option:

Students have a choice of enrollment type for the Co-Requisite portion of our class, but you must make this choice during the first 2 weeks of the Fall Quarter. (That is, by 10/8/22.)

- 1) *You can take this portion of your course for **credit (even though that credit will not transfer)**.*
 - You will pay for the 2.5 hours our course.
 - You will be graded for this portion of the course. (Your grade will be the same as the 31 portion of our course).
 - The grade that you receive for this portion of our class will be included in your De Anza College GPA (grade point average).
 - You will receive 2.5 hours credit for this course, but those 2.5 hours are not transferrable to your later university.

- 2) *You can take this portion of your course as a **non-credit** course.*
 - You will not pay for the 2.5 hours of our course. That is, this portion of the course will be free for you.
 - You will be graded for this portion of the course. (Your grade will be the same as the 31 portion of our course), but the grade that you receive for this portion of your class will not be included in (and will not impact) your De Anza College GPA.
 - You will not receive any credit for this portion of your course.
 - You must:
 - 1) Drop MATH D210XQ01, CRN 27232 by October 9, 2022
 - 2) Add MATH D410XQ01, CRN 27335 before October 8, 2022

*If you are on a student visa, receiving financial aid, or part of a sports team, College Promise, or some other program that has a minimum unit requirement, you should speak with a counselor or advisor before switching to this non-credit option.

One last item to keep in mind, once you make this decision, there's no going back. You must stay with your final choice.

Grading:

Letter grades will be calculated based on the following percentages:

A:	92.5 - 100%	C+:	76.5-79.49%	F:	59.49% and below
A-:	89.5 - 92.49%	C:	69.5-76.49%		
B +:	86.5-89.49%	D+:	66.5-69.49%		
B:	82.5-86.49%	D:	62.5-66.49%		
B-:	79.5-82.49%	D-:	59.5-62.49%		

Scores will be weighted as follows:

Exams (3 total, lowest exam score will be dropped): 30%

Homework (lowest HW grade dropped): 25%

Labs and Discussions: 15%

Worksheet Participation/Presentation: 10%

Final Exam: 20%

*Grades will be posted in Canvas throughout the quarter. Be sure to check your grade often!

Webassign/HW:

Homework is collected and graded using Webassign (accessed through Canvas). Assignments are by chapter and are due at 11:59pm on Sundays unless noted otherwise. Please **do not** send me messages or request extensions through Webassign. I do not get Webassign messages often enough to help you. Please send any HW questions to me directly in an email (or messaging me through Canvas works too) and include the specific details of what you have tried so far and where you are stuck (i.e. - not just "I don't get #3"). Depending on the volume of emails I receive, it can take 24 hours or so for me to answer everything, so please plan accordingly and start your HW early enough to give me time to answer your questions, if you plan to use me as a resource. You will have at least 3 guesses per problem on WebAssign, and as HW increases in difficulty you will get up to 5 attempts. Your lowest HW score will be dropped. Suggested HW is to re-do every example done in the lecture/on the PowerPoint slides (without looking at the solutions/answers!) to make sure you can do every problem again (by yourself) and get them all correct (this HW will not be collected/graded). There are links for WebAssign/Cengage tech support in the Introduction Module. Late HW is not accepted, but your lowest HW grade is dropped.

In-class Worksheet Participation/Presentations:

We will complete practice worksheets in most of our live meetings. Worksheets will be posted in the weekly modules. These will be collaborative and completed in your breakout groups. Groups will then present their work/answers to the class (each group member will be expected to present multiple times throughout the quarter; this will be your Worksheet Participation/Presentation grade). You can screen share and use the Whiteboard function in Zoom (or any other platform that will allow us to see your work), or you can simply hold your work up to the camera on your computer and walk us through your solution. I will be available to help during breakout session work, so if you're stuck, just ask! Missed in-class activities cannot be made up.

Labs/Discussions: You will have 3 labs throughout the quarter, completed in your breakout groups and due at the end of our live Zoom meeting. There will be one submission per group, with each member of the group receiving the same grade. Late labs will not be accepted.

There will be 5 graded discussions throughout the quarter, found in the weekly modules. Discussion posts and responses are due on Sunday nights at 11:59pm unless otherwise stated. Discussions are accepted up to 24 hours late with a 1 point penalty.

Exams & Final Exam: Exams will be given approximately every 3-4 chapters during our live class meetings. There will be no make up exams, so be sure not to miss any of them. Your lowest exam score will be dropped. The tentative dates for our exams are as follows:

- Exam 1 – Tuesday 10/18 (covers Chapters 1-3)
- Exam 2 – Tuesday 11/8 (covers Chapters 4-7)
- Exam 3 – Tuesday 11/29 (Chapters 8-10)
- Final Exam – Thursday, 12/15 from 7-9am (cumulative, but more heavily focused on Chapters 11-13). Please note that the final exam date and time have been determined and mandated by the college. No early/late final exam times may be scheduled, so if you are unable to take the final at the date/time stated above, you need to drop the course now.

Educational Access: For information/ questions about eligibility, support services or accommodations due to disability (physical or learning disability) see below. Also, please see the instructor to discuss your situation.

- Disability Support Service (DSS): Student Services Building (408) 864-8753; TTY (408) 864-8748 or <https://www.deanza.edu/dsps/dss/>
- Educational Diagnostic Center (EDC): Learning Center West 110; (408) 864-8839

Please Note: If you have any circumstances of which I should be aware, please notify me ASAP. The more time I have to address issues, the more likely it is I can help! Please don't hesitate to contact me if you have extenuating circumstances.

Important Dates:	September 26 th	Quarter begins
	October 8 th	Last day to add
	October 9 th	Last day to drop without a "W"
	November 18 th	Last day to withdraw with a "W"
	December 12 th	Final Exams week

*Check college schedules to confirm dates shown in this syllabus

Work Guidelines: I would like to see the process of solving the problem reflected in step-by-step solutions. The following are some specific criteria.

1. Documents submitted to Canvas need to be .doc, .docx, .jpeg, or .pdf. If you take photos of your work, please compile all photos into a word (or PDF) document and upload that into Canvas. **I can not open .HEIC or .pages files**, so unfortunately all .HEIC and .pages files will receive zeros. Please double check file type!
2. Your full name (and for group assignments, all students' full names) should be in the upper right hand corner of the 1st page.

3. All work, including exams, should be done in pencil. Please erase, do not scribble out.
4. Please write carefully and neatly and make sure the document uploaded right-side-up. I can't grade it and give you any credit if I can't read it. Uploading, downloading, and trying to read online wreaks havoc on my ability to decipher anything but very clear, concise writing.
5. Please write out the problem and show all steps involved in solving the problem in order to receive credit.
6. Please box your final answer.
7. After you have uploaded your document, please go back in and double check the upload was successful and the page is loaded right side up (not upside down or sideways) to ensure I will be able to read and grade it.

Academic Integrity: Cheating and academic dishonesty are not tolerated and can result in a grade of 0 on the assignment and referral to the Dean for academic discipline. Any grade of 0 due to cheating will not be dropped. This is a collaborative class and you are encouraged to work together on assignments other than exams, but submitting someone else's work as your own is never acceptable. You are required to work alone on exams using only your class materials.

Need Help?

Additional Resources: Help for getting accustomed to Canvas and online learning (there is a ton of information here!): <http://deanza.edu/online-ed/students/remotelarning.html>

Help with topic material:

www.khanacademy.org

This is a phenomenal resource – topic videos, examples, and even practice. Given our online format, I highly recommend using khan academy to fill in the gaps!

De Anza offers free tutoring! <https://www.deanza.edu/studentssuccess/mstrc/>

Math 10.Q01/210X.Q01 Schedule				
	Mon	Tues	Wed	Thursday
Week 1 (9/26 - 10/2)	Chapter 1 Lecture (stop at 1:03:25)	Live Zoom: Intro/Syllabus, Questions, WS 1	Chapter 1 Lecture (finish), Chapter 2 Lecture (stop at 0:50:45)	Live Zoom: Questions, WS 2
Week 2 (10/3 - 10/9)	Chapter 2 Lecture (finish)	Live Zoom: Questions, WS 3	Chapter 3 Lecture (stop at 0:36:35)	Live Zoom: Questions, Chapter 2 Lab
Week 3 (10/10 - 10/16)	Chapter 3 Lecture (finish)	Live Zoom: Questions, WS 4	Study for Exam 1	Live Zoom: Questions, Chapter 3 Lab
Week 4 (10/17 - 10/23)	Study for Exam 1	Live Zoom: Exam 1	Chapter 4 Lecture (all)	Live Zoom: Questions, WS 5
Week 5 (10/24 - 10/30)	Chapter 5 Lecture (all)	Live Zoom: Questions, WS 6	Chapter 6 Lecture (all)	Live Zoom: Questions, WS 7
Week 6 (10/31 - 11/6)	Chapter 7 Lecture (all)	Live Zoom: Questions, WS 8	Study for Exam 2	Live Zoom: Questions, Chapter 7 Lab
Week 7 (11/7 - 11/13)	Chapter 8 Lecture (stop at 1:02:08)	Live Zoom: Exam 2	Chapter 8 Lecture (finish)	Live Zoom: Questions, WS 9
Week 8 (11/14 - 11/20)	Chapter 9 Lecture (stop at 1:22:10)	Live Zoom: Questions, WS 10	Chapter 9 Lecture (finish), Chapter 10 Lecture (stop at 0:44:03)	Live Zoom: Questions, WS 11
Week 9 (11/21 - 11/27)	Chapter 10 Lecture (finish)	Live Zoom: Questions, WS 12	Study for Exam 3	Thanksgiving Break - No class meeting
Week 10 (11/28 - 12/4)	Study for Exam 3	Live Zoom: Exam 3	Chapter 11 Lecture (all)	Live Zoom: Questions, WS 13
Week 11 (12/5 - 12/11)	Chapter 12 Lecture (all)	Live Zoom: Questions, WS 14	Chapter 13 Lecture (all)	Live Zoom: Questions, WS 15
Finals Week				Final Exam 7-9am

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:

Canvas	T	11:00 AM	12:30 PM
Zoom	TH	11:00 AM	12:00 PM