MATH 10 – Winter 2022 (Synchronous)

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 Connextions (www.cnx.org): http://cnx.org/content/col11562/latest/

Instructor: Leah Lane

Class Meetings: M/W 6:30-8:45 on Zoom (link and passcode in Canvas Introduction Module)

Office Hours: Thursdays 9-10:30am – Messaging, phone or individual Zoom appointment
Thursdays 10:30 – 11:30am Live Zoom Drop-In (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.
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 Connextions www.cnx.org:
   http://cnx.org/content/col11562/latest/
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.

Canvas Class Setup: **This class is synchronous, so we will meet in Zoom M/W 6:30-8:45pm.** The course will be divided into weekly modules in Canvas. Weeks will run from Monday to Sunday. WebAssign HW will be due Sunday night at 11:59pm. Exams will be taken on specified days during class time (through Canvas). This course will be collaborative; breakout rooms will be utilized each class meeting.

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): 40%
Homework: 25%
Labs: 15%
Final Exam: 20%

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).

Webassign Tech Help: (800) 955- 8275
http://www.webassign.net/info/contact_us.html
http://www.webassign.net/user_support/student/index.html
*A note to save you time on Webassign: keep as many digits as possible and round at the very end of the problem!

Labs: You will have 4 labs throughout the quarter, completed in your breakout groups.

Exams and Quizzes: Exams will be given approximately every 3-4 chapters. Your lowest exam score will be dropped. The tentative dates for our exams are as follows:

- Exam 1 - Monday 1/24 (covers Chapters 1-3)
- Exam 2 - Monday 2/14 (covers Chapters 4-7)
- Exam 3 - Monday 3/7 (covers Chapters 8-10)
- Final Exam - Wednesday 3/23 (cumulative, but more heavily focused on Chapters 11-13)

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

- Educational Diagnostic Center (EDC): Learning Center West 110; (408) 864-8839
- Special Education Division: 864-8407; www.deanza.edu/specialed

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:

January 3rd	Quarter begins
January 15th	Last day to add
January 17th	Last day to drop without a "W"
February 25th	Last day to withdraw with a "W"
March 21st	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.

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

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.