MATH 10-MP3, Elementary Statistics, SPRING 2020

Instructor	location	Email	Virtual Office Hours
Renuka Kapur	Zoom Through CANVAS	kapurrenuka@fhda.edu	Wed:12:20 to 1:20 pm

THE MATERIALS NEEDED FOR THIS CLASS ARE FREE! (Book, TI-84 plus calculator, WebAssign**)**

This is the link for Online Student Hub.
This page will be used to provide resources for students who are learning online this spring. It will change frequently as new resources become available. Please bookmark this page and check back often.

https://www.deanza.edu/online-ed/students/remotelearning.html

"To Do List", to get all your free materials!

1. Download the **Remind App** on your mobile. This texting application will allow you to contact me or any others in the class.
   Send a text to: 81010, with this message: @math10mp3

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2. Access the **WebAssign** online homework at**: http://www.webassign.net**

   You can get a free account by going to the above link or the one below (the one below has the instructions)

Student Instructions for 14 Day CU Trial.docx

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3. Students can obtain a FREE six-month subscription for the TI-84 Plus calculator (better than the TI 83) by completing the request form at:

 https://urldefense.com/v3/__https://education.ti.com/distancelearning__;!!A-B3JKCz!SQZOpUB0dmCfLm3S2IMN4ncKtWEJBXe_qV1827chS750U1ebBcUQIFgcmSPy98PvsgY$

OR

https://sites.google.com/site/ti83interactivecalculator/Home
1. Select "CALCULATOR" in the Navigation Bar (left side of page).
 2. Click on Virtual TI 83 Calculator.
3. Select "OK" to move to folder.
4. Open "TI83" folder.
5. Click on "vti83" and then select "Extract ALL.
6. Then follow instructions on screen.
7. Open "vti83" folder.
8. Finally, click on the "vti83" icon.

ATTENDANCE: It would be best if you are there for the live class sessions. I will be doing a lot of group work to make it easier to complete all assignments. **My goal is to finish most of the Homework, Labs and the Worksheets in the class hours from 10:30am to 12:20 pm.** However, I do understand that these are unusual times, and you can catchup on the material that is missed, by listening to the video recordings of the class. Zoom keeps the recording for 30 days.

PLEASE TRY TO BE THERE DURING EVERY CLASS, AND USE ALL THE COLLECTIVE HELP.

Prerequisite: Prerequisite: Mathematics 114 or equivalent with a grade of C or better; or a qualifying score on the Intermediate Algebra Placement Test within the past calendar year.

FREE Book: Available with WebAssign.
        OR
       Link is**:** *Statistics from OpenStax* (Links to an external site.), ISBN 1-947172-05-0

Calculator download: TI-83 PLUS or TI-84 PLUS graphing calculator preferred.

Contact me: Email or Text. (Text is preferred).

Quizzes: Quizzes are open book. Have a physical copy of your Exam Notes, to use during the QUIZ

Labs: Labs involve group work and you may be required to connect outside of class hours. **No make-ups are given for the lab. Plan on being in class for the entire lab, or you will not be graded.** No handwritten labs will be accepted. Box plots and graphs can be hand drawn. They need to be "very neat", to scale and labelled. There is one lab submission per group.

Homework: The homework will be available online at WebAssign.
      TO ACCESS WebAssign ONLINE HOMEWORK: http://www.webassign.net
      Go to the ACCOUNT LOG IN box on the right
      Step 1: Click on the line - Enter Class Key
      Step 2: Enter the Class Key given below and submit. Follow directions to register.

      Class Key to register is: deanza 5388 5082

      On Friday, we will try to finish homework during class time!!
      Omit the homework questions
        - For which you are asked to download a file.
        - Chapter 9
          #'s 5, 6, 8: omit *part I,* - Construct a 95% confidence interval for the true mean.
              : omit *part f* – Explain what the p-value means for this problem.
        - Chapter 10
        - #'s 2, 3   : omit *part f*
        -             omit *part i*– Explain what the p-value means for this problem.

Exams: 3 WEBASSIGN exams will be given. You are allowed to use your exam notes, etc

Final Exam: A two-hour comprehensive WEBASSIGN exam will be given. (I Think!)

Extra-Credit: Interesting articles about anything related to Statistics. You will send it to everyone. We can discuss it in class as a daily interest topic. Please send articles that are of interest to you!!!

Grade: Exams (3@ 100)   300 pts. (WebAssign)

Quizzes (3@ 25)   75 pts. (take home/ open book/ <u>group quiz</u>)

Labs (3@ 25)   75 pts. (we will be doing this as <u>group work</u> during class time!)

Worksheets   100 pts. (we will be doing this as <u>group work</u> during class time!)

Homework (8@12.5) 100 pts (work <u>in class</u> on Friday's! 2 lowest grades dropped)

Final Exam   100 pts

***At the end of the quarter, if the final exam is the lowest exam, it will count as 1 exam. Therefore, the final exam and all other exams will count. If one of the 3 midterm exams is the lowest, then that midterm score will be replaced by the final score. Therefore, the final exam will count twice. In summary, you will have a total of 400 exam points. Your grade is based on points and not a "curve."

A+	$97.5\% < score \leq 100\%$	A $92.5\% \leq score \leq 97.5\%$	A- $90\% \leq score < 92.5\%$
B+	$87.5\% < score < 90\%$	B $82.5\% \leq score \leq 87.5\%$	B- $80\% \leq score < 82.5\%$
C+	$72.5\% < score < 80\%$	C $65\% \leq score \leq 72.5\%$	
D+	$60\% < score < 65\%$	D $55\% < score \leq 60\%$	D- $50\% \leq score \leq 55\%$
F	$score < 50\%$		

Reviews for Exams: WebAssign homework, sample tests, the handouts, worksheets

Topics to Skip: Chp 3: Venn diagram;   Chp 4: Geometric, Hypergeometric Distributions; Poisson**;**   Chp 5**;** Chp 7: Central Limit Theorem for Sum;   Chp 11: Test of One Variance

Miscellaneous:
<mark>**Calculator instructions are in Appendix G of the book.**</mark>
<mark>**Mathematical phrases, symbols, and formulas are in Appendix F of the book.**</mark>
Graphs should be constructed with a ruler OR done by computer. Always label and scale the axes.
We expect you to answer word problems and questions with complete English sentences.

Zoom Etiquette:

1. Be on time. Perhaps join five (5) minutes before class starts to avoid being late.
2. To avoid background noise, mute yourself until you are called on.
3. If you want to speak without being called on, raise your hand. This can be done by clicking on the participant pull-down menu.
4. To avoid background noise, use earbuds or wear a headset.
5. Be prepared to show your beautiful faces. This means sharing your web camera, so make sure you are wearing clothes.
6. Be in an appropriate learning environment (avoid work, a drive-thru, or hanging out with friends), so that you are fully focused and engaged.
7. Be mindful of what activities you chose to complete while in class. This will help you stay focused.
8. Be prepared to have a small group and whole-class discussion.

Tentative Spring 2020 Calendar

April	Chp 1	Chp1	Chp2	Chp2	Homework, Etc
	13	14	15	16	17
April	Chp2	Chp2	Chp 2 Lab	Chp12	Homework, etc
	20	21	22	23	24
April/ May	Chp12	Chp3	Chp3	Review	Exam 1 Chp 1, 2, 12
	27	28	29	30	1
May	Chp3	Chp3	Chp3	Chp4	Homework, etc
	4	5	6	7	8 8
May	Chp4	Chp4	Chp6	Chp6	Homework, etc
	11	12	13	14	15
May	Chp6 Lab	Chp7	Review	Review	Exam 2 Chp 3, 4, 6, 7
	18	19	20	21	22
May	HOLIDAY!	Chp8	Chp8	Chp8	Homework, etc
	25	26	27	28 28	29 2
May	Chp9	Chp9	Chp9	Chp9 Lab	Homework, etc
	1	2	3	4	5
June	Chp1o	Chp10	Chp10	Chp10	Homework, etc
	8	9	10	11	12
June	Chp11	Chp13	Review	Review	Exam 3 Chp 8,9,10, 11
	15	16	17	18	19
June	Tutoring with me!	Tutoring with me!	Tutoring with me!	Finals! Chp 1 thru 13	
	22	23	24	25	

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.