

MATH 10, Elementary Statistics, Fall 2020

Instructor: Renuka Kapur

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**Virtual Office Hours: Monday and Wednesday from 8:45am to 9:30am
Tuesday and Thursday from 6:30pm to 7:15pm**

ZOOM LINK for Office Hours for help on homework, worksheets, etc:

<https://fhda-edu.zoom.us/j/92416335288>

Meeting ID: 924 1633 5288

“To Do List”

1. Watch my 3 minute Video: [Hello and Welcome to my Class!](#)

2. Download the [Remind App](#) on your mobile. (strongly recommend it)

Send a text to: 81010, with this message: @profkapu

This texting application will allow you to contact me or any others in the class. It is free and your phone number will remain private. I will disable it at the end of the quarter.

3. Get a WebAssign account by using this link: <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 4963 3069](#)

Cost for WebAssign is around \$35.

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.

VIDEO & HANDOUT: Video uses the content listed in the handout. Reference the handout for your worksheets and homework. Handouts are very helpful!!!

FREE BOOK: Available with WebAssign.

OR

Link: [Statistics from OpenStax](#) (Links to an external site.)

Calculator: TI-84 or TI-84 PLUS graphing calculator preferred. You may rent the calculator. One possible website link is: <https://www.mycalcrental.com/product/TI84>

Contact me: Text, Email or Zoom. Set up a Zoom meeting when cannot make it to office hours!

Worksheets: Each Chapter worksheet is about 30 minutes long.
 Worksheets are submitted in Canvas
This can be submitted as group work or individually. Maximum of 4 people if submitting as a group.
The lowest 3 scores will be dropped (out of 11 worksheets)
Look over the handouts, and practice quizzes for help with the worksheets.
Come to office hours, text me and others for help.

Homework: Each Chapter homework is about 30 minutes long.
 The homework will be available online at WebAssign.
You have unlimited tries for each question on the homework
The lowest 4 scores will be dropped (out of 12 homeworks)
3 LATE HOMEWORK PASSES CAN BE USED AT ANYTIME DURING THE QUARTER.
 Let me know and I will open up the homework for you.

Tests: 3 WebAssign Tests. Each Test should take about 1 hour to finish.
However, triple the amount of time (3 hours) will be given. This should take care of any internet issues. **It is open book.**
You have a 4-day window to take the Test. Once you click on it, the timer starts.
Reviews for Tests: Practice Test, WebAssign homework, the handouts, worksheets

Final Exam: A two-hour comprehensive WEBASSIGN exam will be given. **It is open book.**
However, triple amount of time (6 hours) will be given. This should take care of any internet issues.
You have a 7-day window to take the exam. Once you click on it, the timer starts.

2 Projects are posted. They are optional.

Extra-Credit: Extra Credit can be submitted any time before the quarter ends.
 1. Collaborative projects (1 lab submission per group). They may also be submitted individually.
 2. Video and/ or Article featuring the material you learn in this class.
 3. Survey
 4. Current Event Discussions

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|---------------|---------------------|---|-------|
| Grade: | Worksheets (8@12.5) | 100 pts (30 minutes long. I drop the 3 lowest grades) | 25% |
| | Homework (8@12.5) | 100 pts (30 minutes long. I drop the 4 lowest grades) | 25% |
| | Tests (3@50) | 150 pts. | 37.5% |
| | Final Exam | 50 pts | 12.5% |

***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.”

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

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

I am mindful this is an Online Class and so we work at a pace, so that nobody is left behind.

3 LATE HOMEWORK PASSES CAN BE USED AT ANYTIME DURING THE QUARTER

Tentative Calendar

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|---------------------------|---|-------------------------|--|
| Week 1 Sept 21 - 25 | Chapter 1 and 2 | | |
| Week 2 Sept 28 - Oct 2 | Chapter 2 and 12 Worksheet due (Chp 1) | | |
| Week 3 Oct 5 - 9 | Chapter 3 Worksheet due (Chp 2) | Homework due (Chp 1, 2) | Test window opens |
| Week 4 Oct 12 - 16 | Chapter 3 and 4 Worksheet due (Chp 12) | Homework due (Chp12) | Test 1 due |
| Week 5 Oct 19 - 23 | Chapter 4 and 6 Worksheet due (Chp 3) Homework due (Chp 3) | | |
| Week 6 Oct 26 - 30 | Chapter 7 Worksheet due (Chp 4, 6) Homework due (Chp 4, 6) Test window opens | | |
| Week 7 Nov 2 - 6 | Chapter 8 Worksheet due (Chp 7) | Homework due (Chp 7) | Test 2 due |
| Week 8 Nov 9 - 13 | Chapter 9 Worksheet due (Chp 8) Homework due (Chp 8) | | |
| Week 9 Nov 16 - 20 | Chapter 10 Worksheet due (Chp 9) Homework due (Chp 9) | | |
| Week 10 Nov 23 - 27 | Chapter 11 Worksheet due (Chp10) Homework due (Chp 10) | | |
| Week 11 Nov 30 - Dec 4 | Chapter 13 Worksheet due (Chp 11) Homework due (Chp 11) Test window opens | | |
| Finals Week Dec 7 - 11 | Homework due (Chp 13) | | Test 3 due FINAL EXAM WINDOW (DEC 4 -10) |

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.