

Instructor:	Lin Zhang Email: zhanglinlin@fhda.edu Canvas: https://deanza.instructure.com/
Text:	Introductory Statistics from OpenStax, WebAssign online HW (Access from Canvas) www.openstax.org/details/introductory-statistics
Equipment:	Graphing Calculator is required (TI 83plus , ...)
Office Hours:	E37 MW 3:00 – 4:00PM or through email

1. Prerequisite:

Prerequisite: Mathematics 114 or equivalent (with a grade of C or better); or a satisfactory score on the College Level Math Placement Test within the last calendar year.

2. Course Objective:

- Introduction to **data analysis** making use of graphical and numerical techniques to study patterns and departures from patterns.
- Understanding **variation**, checks **distributional** assumptions, **tests hypotheses**, uses **probability**, and uses appropriate statistical models to draw conclusions from data.
- Introduction to **applications** in engineering, business, economics, medicine, education, social sciences, psychology, the sciences, and those pertaining to issues of contemporary interest.

3. Student Conduct

A student who is disruptive will be asked to leave the class. Put your cell phones on **silent** before the class starts. If you need to take a call or send a text message, you may step quietly outside. If I see your cell phone, I will ask you to put it away.

4. Academic Integrity:

Copying another student's solutions, or using unauthorized materials (notes or cellphones) during tests are considered cheating. Violation of this policy will result in the student receiving ZERO credit for the entire assignment or test.

5. Drop Policy:

Attendance is integral to your success in this course. I expect you to attend all class meetings. **It is always YOUR RESPONSIBILITY to drop** the class if you feel like you can't continue for any reason.

6. Support Services

Students with disabilities needing reasonable accommodations should inform me in the beginning of the quarter. To begin the reasonable accommodations process, I will need to fill out a request form from the Disabilities Support Services (DSS). For more information, please visit the DSS office at SCSB 141, call (408) 864-8753 / (408) 864-8748 TTY, or go to www.deanza.edu/dss.

7. Tutoring

The Math, Science, and Technology Resource Center (**S43**) provides free individual and small group drop-in services. For more information, go to www.deanza.edu/studentuccess/mstrc. You can also use “NetTutor” link on the navigation in Canvas or email me when you are at home.

8. Canvas: <https://deanza.instructure.com/>

Canvas is our class website. All related information about the class will be posted up there. Most importantly, your **grades** will be available on **Canvas**.

You can login with your **campuswide ID** and password of **mmddyy** (your birthday).

9. Grade:

All grades will be posted on **Canvas** as soon as they become available. It is your responsibilities to check Canvas at least once a week to monitor your grades for the class.

5 In Class (drop 1)	25 Points	A: 90-100% B: 80-89% C: 70-79% D: 60–69% F: 0-59%
8 Quizzes (drop 1)	35 Points	
12 Homeworks	55 Points	
4 Exams	400 Points	
<u>Final Exam</u>	<u>150 Points</u>	
Total	665 Points	

In Class Practice

In Class practice will be given at the end of most **Wednesday** unless there is a quiz or test. Each practice is worth **5 points**. In Class practice can be completed in group, and all group members must be present when turning in the shared work.

Quizzes

A **quiz** will be given on each **Monday/Wednesday** based on the homeworks from previous week.

- You can **reference** your notes during the quiz, but it’s timed so you might run out of time if you don’t study before hand.
- Quizzes are scaled to **5 points** each and cannot be made up, but the lowest one will dropped.

Homework:

The purpose of homework is to help you learn the material in the course. Homework assignments will assigned each chapter. All homework will be done online through WebAssign.

- Login to Canvas and click the link “WebAssign – Math 10 Fall 2018”
- You will get free access until Oct 8th, and it costs \$33.95 for a single term

Corresponding homework sets are due on the day of a test **by 4:00 PM**. You won’t be able to submit assignments past the deadline so please plan accordingly.

Each homework set will be scaled to **5 points** and the **no assignments** can be dropped.

Exams:

Three 100-point exams will be given with no make-ups. If you have to miss an exam under extreme circumstances, please notify the teacher at least a day in advance. You can’t drop any tests. If you miss an exam it will receive zero as the score.

Final Exam:

A two-hour comprehensive final exam will be given. A student who misses the final exam and does not contact the instructor will receive an F in the course.

10. Class Calendar

Week	Month	Monday	Wednesday	Notes
1	September	24 Ch 1 Sampling	26 Ch 1 Sampling	
2	October	1 Q1 Ch 2 Des Statistics	3 Ch 2 Des Statistics	Sat. Oct. 6th last day to add. Sun. Oct. 7th last day to drop with no record.
3	October	8 Q2 Ch 3 Probability	10 Test 1 (Ch 1/2) HW Due	
4	October	15 Ch 3 Probability	17 Q3 Ch 12 Linear Reg	Friday, Oct. 19th last day to request P/NP.
5	October	22 Ch 4 Discrete Var.	24 Test 2 (Ch 2/12) HW Due	
6	October	29 Q4 Ch 5 Cont. Var.	31 Ch 6 Normal Dist.	
7	November	5 Holiday	7 Q5 Ch 7 Central Limit	Ch 12 Linear Reg
8	November	12 Ch 8 Confid Interval	14 Test 3 (Ch 4-7) HW Due	Friday, Nov. 16th: last day to drop with a “W”.
9	November	19 Q6 Ch 9 One Sample Testing	21 Ch 9 One Sample Testing	
10	November	26 Q7 Ch 10 Two sample Testing	28 Ch 11 Chi-Square Distribution	
11	December	3 Q8 Ch 13 F Distribution	5 Test 4 (Ch 8-11) HW Due	
12	December	10 No School	12 Final Exam 4:00 – 6:00 PM	

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.