Instructor:	Lin. Zhang
	Email: zhanglinlin@fhda.edu **Canvas:** https://deanza.instructure.com/
In-person Meeting:	**MLC 112 TR 4:00 – 6:15PM**
Text:	Adapted version of "Introductory Statistics by Barbara Illowsky" by Las Positas College https://stats.libretexts.org/Courses/Las_Positas_College Original Version OpenStax: https://openstax.org/details/introductory-statistics
Homework	MyOpenMath.com (See separate handout how to create an account and linked it to Canvas)
Equipment:	**Graphing Calculator** (TI 83, TI 84,…)

1. **Course Objective:**

   Descriptive statistics, including measures of central tendency; elements of probability; confidence intervals; hypothesis tests; two-population comparisons; correlation and regression; goodness of fit; analysis of variance; applications in various fields. Introduction to the use of a computer software package to complete both descriptive and inferential statistics problems.

3. **Calculator Requirements**
   - A TI-84 or TI-83 calculator is preferred. We use them every class; they have built-in functions that will make calculations easy. Students can NOT share calculators for quizzes or exams.
   - Library Reserve has TI-83/84 calculators for limited loans. The instructor can NOT lend her calculator.
   - Cell phones can be used as a calculator during lesson or on a quiz, BUT NOT on an exam.
     o For iPhone: Graphing Calculator X84 ($4.99 for pro features)
     o For Android: Graphing Calculator plus 84 83 ($2.99 for pro features)

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. Further action may be taken depending on the circumstance.

5. **Support Services**

   Students with disabilities needing reasonable accommodations should inform me in the beginning of the quarter. For more information, please visit the DSS office www.deanza.edu/dsps/dss.

6. **Drop Policy:**

Attendance is integral to your success in this course. Any student who misses one meeting without notifications in the first two weeks will be dropped from the class. But, it is always **your responsibility to drop the class** if you feel like you can't continue for any reason.

7. **Tutoring**

The Math, Science, and Technology Resource Center **(S43)** provides free on campus **Tuesday/Wednesday 9AM – 6PM** and online services **Monday – Thursday 9AM – 6PM, Friday 9Am – 12:30PM**. For more information, go to   www.deanza.edu/studentsuccess/mstrc

8. **Important Dates:**

- **Saturday, Oct. 8:** last day to add
- **Sunday, Oct. 9:** last day to drop with no record online.
- **Friday, Nov. 18:** last day to drop with a "W".

9. **Grades**

19 InClass (drop 2)	24%	
11 Homework (drop 1)	12%	**A:** 90-100%
11 Quizzes (drop 1)	10%	**B:** 80-89%
3 Projects	6%	**C:** 70-79%
3 Exams	36%	**D**: 60–69%
Final Exam	12%	**F:** 0-59%
Total	100%	

InClass Assignments:

The online version of each InClass assignment is broken down as two handouts: "note" and "inclass". You will need to complete the "inclass" portion and turn them in at the end of class. In the events of absence, you can earn back the points by complete the corresponding online version of the assignment in by Sunday of each week. If you miss the Sunday deadline, you can complete the assignments in "Practice" mode, but there is a 15% penalty when I record your score later. 4 lowest scored inclass assignments will be dropped at the end of the term.

Homework:

Each chapter has its own homework assignment on MyOpenMath. Even I don't require you to submit your work, you are still encouraged to work out the problem on a piece of paper.

Each student are given **8 late passes (96 hours each)**. After a homework assignment is due, you should see a "late pass" button. There is no penalty of using late passes. After using all the late passes, you can still complete assignment in "Practice" mode, but there is a 15% penalty.

Quizzes

Each chapter will have a quiz. Quizzes are open notes. Pleas watch out for quiz announcement during class or on Canvas announcements through out the term.

Projects

Three projects will be given throughout the term. All of them can be done in pairs or individually. I will have a sign-up page during the first week. Please try to remain in the same groups for all projects.

Exams:

Three exams will be given throughout the term. You CAN'T drop any exam.
You will be given chance to do **Test correction quizzes** to earn up to 50% of the points you lose from an exam. If you score 70% on Test 1 and 80% on a test correction quiz, you are getting bonus of $(1/2)*80\%*(30\%) = 40\%*30\% = 12\%$. That means your new Test 1 score is $82\% = 70\% + 12\%$.

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	Date		Important Due Dates
1	9/27	Ch 1 Nature of Stat	
	9/29	Ch 2 Freq Table and graphs	
2	10/4	Ch 2 Freq Table and graphs	
	10/6	Ch 3 Des Statistics	
3	10/11	Ch 3 Des Statistics	Project 1 Due Tuesday 10/11
	10/13	Ch 4 Probability	
4	10/18	Ch 4 Probability	
	10/20	Test 1 (Ch 1 – Ch 3)	
5	10/25	Ch 5 Discrete Prob	
	10/27	Ch 6 Normal Prob	
6	11/1	Ch 6 Normal Prob	
	11/3	Ch 7 Confidence Interval	
7	11/8	Ch 7 Confidence Interval	Project 2 Due Tuesday 11/8
	11/10	Test 2 (Ch 4 – Ch 6)	
8	11/15	Ch 8 Hyp. Testing	
	11/17		
9	11/22	Ch 9 Hyp of 2 samples	
	11/24	Thanksgiving Holiday	
10	11/29	Ch 11 Chi-Square Distribution	
	12/1		
11	12/6	Ch 10 Linear Reg	Project 3 Due Tuesday 12/6
	12/8	Test 3 (Ch 7, 8, 9, 11)	
12	12/13	No Class Tuesday	
	12/15	Final Exam 4 – 6PM	

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:

Zoom		T	03:00 PM	04:00 PM
In-Person	MLC 112	TH	03:00 PM	04:00 PM