

Instructor:	Lin. Zhang Email: zhanglinlin@fhda.edu Canvas: https://deanza.instructure.com/
Class Meeting	MLC 113 MTWR 12:30 – 2:45 PM
Office Hours:	MTWR 12:15 – 12:30 PM before class
Text:	Adapted version of “Introductory Statistics by Barbara Illowsky” https://stats.libretexts.org/Courses/Las_Positas_College Original book OpenStax: https://openstax.org/details/introductory-statistics
Homework	MyOpenMath.com (It’s embedded in Canvas)
Equipment:	During tests: Graphing Calculator (TI 83, TI 84,...) Can borrow it from school library on testing dates. During lesson: TI Emulator Apps <ul style="list-style-type: none"> • For iPhone: Graphing Calculator X84 (free with ads or \$4.99) • For Android: Graphing Calculator plus 84 83 (\$2.99 for pro features)

1. Prerequisite: None

None

2. Course Objective:

Descriptive statistics, including measures of central tendency, dispersion and position; 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. Student Learning Outcome

- 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 evaluate conjectures, and communicate the results of random data using statistical analyses such as interval and point estimates, hypothesis tests, and regression analysis.

4. Drop Policy:

This is a synchronous online class. Students must remain active by participating through Zoom meetings and/or online assignments. Students who is inactive for 3 or more lessons/assignments will risk of being dropped. BUT, it is always **your responsibility to drop the class** if you feel like you cannot continue.

5. 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/studentuccess/mstrc

6. Academic Integrity:

All tests are open notes, but your work must reflect what you know based on your own knowledge and thought. Referencing or copying another student's solutions, or searching answer online 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.

7. 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.

8. Grades

InClass (drop 2)	10%	A: 90-100%
Homework (drop 1)	18%	B: 80-89%
3 Projects	12%	C: 70-79%
2 Exams	40%	D: 60–69%
<u>Final Exam</u>	<u>20%</u>	F: 0-59%
Total	100%	

InClass Assignments:

Each lesson has in-class practice near the end. You will complete the problems and turn them in. Keep in mind that your problems are very similar to the ones I do, but adapted with different numbers. In the events of absence, you will receive zero for the in-class. Two lowest scores will be dropped for overall grade calculation at the end of the term.

Homework:

Homework assignments are assigned from **textbook** or MyOpenMath test bank. You need to submit your answers to **MyOpenMath** (embedded in **Canvas**). Even I am not collecting work, you are supposed to work out the problems on your own paper.

Late Passes

Each student are given **6 late passes (5-day-extension each)**. After a MyOpenMath assignment is due, you should see a “late pass” button. There is no penalty of using late passes. After using all your late passes, you can still complete a late assignment in “Practice mode”, and there is a 15% penalty. More details are explained on a separate file.

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. Students can use some notes (more details explain later) during each test. After each exam, you will be given a chance to do **Test correction** to earn back up to ??% (teacher decide the percentage based on test result) of the points you lose. More details are explained later during class.

Final Exam:

Missing the final exam will result in a ZERO for the final exam grade in your gradebook. There is no make up for final exam. You must be present on the scheduled date.

9. Class Calendar

Week	Month		Important Date
1	7/1	Ch 1 Nature of Stat	
	7/2	Ch 2 Freq Table and graphs	
	7/3	Ch 3 Des Statistics	
		July 4 th No School	
2	7/8	Ch 3 Des Statistics	Last Day to add: Last Day Drop without "W"
	7/9	Ch 4 Probability	
	7/10	Ch 4 Probability	
	7/11	Test 1 (Ch 1 – Ch 3)	Project 1 Due Sunday 7/14
3	7/15	Ch 5 Discrete Prob	
	7/16	Ch 5 Discrete Prob	
	7/17	Ch 6 Normal Prob	
	7/18	Ch 6 Normal Prob	
4	7/22	Ch 7 Confidence Interval	
	7/23	Ch 7 Confidence Interval	
	7/24	Ch 8 Hyp. Testing	
	7/25	Test 2 (Ch 4 – Ch 6)	Project 2 Due Sunday 7/28
5	7/29	Ch 8 Hyp. Testing	
	7/30	Ch 8 Hyp. Testing	Last Day Drop with "W" Tuesday 7/30
	7/31	Ch 9 Hyp of 2 samples	
	8/1	Ch 11 Chi-Square Distribution	Project 3 Due Sunday 8/4
6	8/5	Ch 11 Chi-Square Distribution	
	8/6	Ch 10 Linear Reg	
	8/7	Ch 10 Linear Reg	
	8/8	Final Exam (Ch 7 – 11)	

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Office Hours:

M,T,W,TH 12:10 PM 12:30 PM In-Person MLC113