

Instructor:	Lin. Zhang Email: zhanglinlin@fhda.edu Canvas: https://deanza.instructure.com/
Office Hours:	MW 3:30 – 4:20 PM or email me for appointment https://fhda-edu.zoom.us/j/83994390545?pwd=MEEvSFJkc0VlYnFaeTVNT1lURThiUT09 Zoom Meeting ID: 839 9439 0545 Passcode: 187342
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 (Embedded inside Canvas)
Equipment:	Graphing Calculator (TI 83, TI 84,...) TI Emulator Apps <ul style="list-style-type: none"> • For iPhone: Graphing Calculator (free with ad) • For Android: Graphing Calculator plus 84 83 (free with basic features or \$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 are 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 provides free online tutoring **Monday – Thursday 10AM – 5PM**. For more information, go to www.deanza.edu/studentsuccess/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. Important Dates:

- a. **Thursday, July. 06:** last day to drop with no record online.
- b. **Monday, July. 10:** last day to add
- c. **Wednesday, August 02:** last day to drop with a “W”.

9. Class Calendar (See Canvas for more details)

- **Test 1 (CH 1 – CH 4) 7/14 – 7/17**
- **Test 2 (CH 5 – CH 7) 7/28 – 7/31**
- **Test 3 (CH 8, CH 9, CH 11) 8/7 – 8/9**
- **Final Exam 8/10 – 8/11**

10. Grades

19 Practice (drop 2)	25%	
11 Quizzes (drop 1)	15%	A: 90-100%
4 Discussions	4%	B: 80-89%
2 Projects	4%	C: 70-79%
3 Exams	39%	D: 60-69%
<u>Final Exam</u>	<u>13%</u>	F: 0-59%
Total	100%	

Lesson Practice:

Each lesson has corresponding assignments on MyOpenMath. They should be done while you are watching the lesson recording. Each problem has 3 changes, but you can click “similar question” to try the problem again. Due dates are specified on Canvas. Make sure to keep track of your progress. 2 lowest scored will be dropped at the end of quarter.

Quizzes:

Each chapter has its own quiz assignment on MyOpenMath. You have 3 chances on each problem and you can repeat the whole quiz 3 times. Only the best score will be recorded. Each quiz has time limit of 60 minutes. One lowest quiz will be dropped at the end of quarter.

Late Passes

Each student are given **8 late passes (96 hours 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.

Discussion Board:

There are 4 discussions, and each test has its discussion boards. You are required to post 1 content related question or observation **AND** reply/answer to one post to gain the points.

Projects

Two 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 for who ever wants a project partner. Please try to remain in the same groups for all projects.

Exams:

Three exams will be given throughout the term. After each exam, you will be given a chance to do **Test correction** to earn back up to 50% of the points you lose. More details are explained on a separate file.

Final Exam:

Missing the final exam will result in a ZERO for the final exam grade in your gradebook.

11. Class Calendar

Week	Date	
1	7/3 – 7/9	Ch 1 Nature of Stat Ch 2 Freq Table and graphs
2	7/10 – 7/16	Ch 3 Des Statistics Ch 4 Probability
	Wed – Mon 7/14 – 7/17	Test 1 (CH 1 – CH 4)
3	7/17 – 7/23	Ch 5 Discrete Prob Ch 6 Normal Prob
4	7/24 – 7/30	Ch 7 Confidence Interval Ch 8 Hyp. Testing
	Wed – Mon 7/28 – 7/31	Test 2 (CH 5 – CH 7)
5	7/31 – 8/6	Ch 9 Hyp of 2 samples Ch 11 Chi-Square Distribution
6	8/7 – 8/13	Ch 10 Linear Reg
	Mon – Wed 8/7 – 8/9	Test 3 (CH 8, CH 9, CH 11)
	Thur – Fri 8/10 – 8/11	Final Exam

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Office Hours:

M,W	03:30 PM	04:20 PM	Zoom	
T,TH	09:30 AM	10:00 AM	In-Person	MLC270