

<b>Instructor:</b>	Lin. Zhang <p style="text-align: right;"><b>Email:</b> <a href="mailto:zhanglinlin@fhda.edu">zhanglinlin@fhda.edu</a>  <b>Canvas:</b> <a href="https://deanza.instructure.com/">https://deanza.instructure.com/</a></p>
<b>Meeting:</b>	<b>M - TH</b> 10:00 – 12:15 PM OR 3:00 – 5:15 PM <a href="https://fhda-edu.zoom.us/j/98629328688?pwd=TkJJZXozTXZoeVo3ZzlqQy9vMm9QUT09">https://fhda-edu.zoom.us/j/98629328688?pwd=TkJJZXozTXZoeVo3ZzlqQy9vMm9QUT09</a> Meeting ID: 986 2932 8688 Passcode: 998128
<b>Text:</b>	Adapted version of “Introductory Statistics by Barbara Illowsky” by Las Positas College <a href="https://stats.libretexts.org/Courses/Las_Positas_College">https://stats.libretexts.org/Courses/Las_Positas_College</a>  Original version from OpenStax: <a href="https://openstax.org/details/introductory-statistics">https://openstax.org/details/introductory-statistics</a>
<b>Homework</b>	<a href="https://www.myopenmath.com/">MyOpenMath.com</a> (See separate handout how to create an account and linked it to Canvas)
<b>Equipment:</b>	<b>Graphing Calculator</b> (TI 83, TI 84,...)  TI Emulator Apps For Window Desktop: <a href="http://wabbitemu.org/">http://wabbitemu.org/</a> (watch <a href="#">this youtube video</a> ) For iPhone: Graphing Calculator X84 (free with basic features or \$4.99 for pro features) 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. 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.

#### 4. Tutoring

The Math, Science, and Technology Resource Center (**S43**) provides free on campus and online drop-in services **Monday – Thursday 9AM – 6PM, Friday 9Am – 12:30PM**. For more information, go to

[www.deanza.edu/studentsuccess/mstrc](http://www.deanza.edu/studentsuccess/mstrc)

#### 5. 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.

#### 6. 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](http://www.deanza.edu/dsps/dss).

#### 7. Important Dates:

- **Wednesday, June 29:** last day to add
- **Thursday, June 30 :** last day to drop with no record online.
- **Wednesday, July 27:** last day to drop with a “W”.

#### 8. Grades

19 InClass (drop 2)	25%	
11 Homework (drop 1)	10%	<b>A:</b> 90-100%
11 Discussions (drop 1)	5%	<b>B:</b> 80-89%
3 Projects	9%	<b>C:</b> 70-79%
3 Exams	39%	<b>D:</b> 60–69%
<u>Final Exam</u>	<u>12%</u>	<b>F:</b> 0-59%
Total	100%	

#### InClass Assignments:

Each lesson has corresponding assignments on MyOpenMath. They should be done during lesson time. If you miss any lesson, you should watch the recordings on Canvas and complete the InClass assignments. 2 lowest scored will be dropped at the end of quarter.

#### 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.

### **Late Passes**

Each student are given **10 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 11 chapters discussions. You have two ways to earn the discussion points:

- You can make ONE post per discussion. It could be a topic related question, an observation, a hint or a reply/answer to an existing post. OR
- If you come to Zoom meeting, you participate during the lesson by asking a question or completing the corresponding inclass assignment(s) up to 70%.

### **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. 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.

## 9. Class Calendar

Week	Month		Important Date
1	June 6/27 – 7/3	Ch 1 Nature of Stat Ch 2 Freq Table and graphs Ch 3 Des Statistics	Last Day to add: Wednesday 6/29.  Last Day Drop without "W" Thursday 6/30  Project 1 Due Sunday 7/3
2	July 7/5 – 7/10	Ch 4 Probability Ch 5 Discrete Prob	Test 1 (Ch 1 – Ch 3) Due Sunday 7/10

3	<b>July</b> 7/11 – 7/17	<b>Ch 6 Normal Prob</b> <b>Ch 7 Confidence Interval</b>	Project 2 Due Sunday 7/17
4	<b>July</b> 7/18 – 7/24	<b>Ch 8 Hyp. Testing</b> <b>Ch 9 Hyp of 2 samples</b>	<b>Test 2 (Ch 4 – Ch 6) Due</b> Sunday 7/24
5	<b>July</b> 7/25 – 7/31	<b>Ch 11 Chi-Square Distribution</b> <b>Ch 10 Linear Reg</b>	Last Day Drop with "W" Wednesday 7/27  Project 3 Due Sunday 7/31
6	<b>August</b> 8/1 – 8/5	<b>Ch 10 Linear Reg</b>	<b>Test 3 (Ch 7, 8, 9, 11) Due</b> <b>Wednesday 8/3</b>  <b>Final Exam due Sunday 8/7</b>

**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	M,T,W	09:30 AM	10:00 AM
Zoom	M,T,W	02:30 PM	03:00 PM