DeAnza College

Winter 2018 MATH 010 –28 MW 4:00 – 6:15 G5

Instructor:	Lin Zhang **Email**: zhanglinlin@fhda.edu **Canvas:** https://deanza.instructure.com/
Text:	Introductory Statistics from OpenStax, WebAssign CourseID (**deanza 9904 8530)** 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. 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).

7. 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.

Class participation	20 Points	**A:** 90-100%
Online Homeworks (drop 1)	90 Points	**B:** 80-89%
3 Exams	300 Points	**C:** 70-79%
Final Exam	150 Points	**D**: 60–69%
Total	560 Points	**F:** 0-59%

In Class Participation

You can only participate when you are in class. Each student are allowed 2 absents (excused and unexcused). Any additional absent will be resulting in 2 points taken away from the 20 points total. In Class group activities will be given every lesson so students get a chance to practice the material learn. Please use that as a chance of learning and working with other students.

Homework:

The purpose of homework is to help yo0u learn the material in the course. Homework assignments will assigned each chapter. All homework will be done online through WebAssign.

- Go to www.webassign.net and click the "I Have A Class Key" button.
- Enter the class key: **deanza 9904 8530** and You must use your official student registration name.
- It costs $33.95 for a single term

Corresponding homework sets are due on the day of the test **by 4:00 PM**. You won't be able to submit assignments past this time so please plan accordingly.
Each homework set will be scaled to 10 points and the lowest one will be dropped for final grade.

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.

8. 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/studentsuccess/mstrc.
You can also use "NetTutor" link on the navigation in Canvas or email me when you are at home.

9. 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.

10. Class Calendar

Week	Month	Monday	Wednesday	Notes
1	**January**	8 Ch 1 Sampling	10 Ch 1 Sampling	
2	**January**	15 Holiday	17 Ch 2 Des Statistics	**Sat. Jan. 20th** last day to add. **Sun. Jan. 21st** last day to drop with no record.
3	**January**	22 Ch 2 Des Statistics	24 Ch 2 Des Statistics	
4	**January**	29 Ch 3 Probability	31 Ch 3 Probability	**Friday, Feb. 2nd** last day to request P/NP.
5	**February**	5 Ch 4 Discrete Var.	7 **Test 1** (Ch 1-3) **HW Due**	
6	**February**	12 Ch 4 Discrete Var.	14 Ch 4 Discrete Var.	
7	**February**	19 Holiday	21 Ch 5 Cont. Var. Ch 6 Normal Dist.	
8	**February**	26 Ch 7 Central Limit	28 Ch 8 Confid Interv	**Friday, Mar. 2nd:** last day to drop with a "W".
9	**March**	5 **Test 2** (Ch 4-7) **HW Due**	7 Ch 9 Hypothesis Testing	
10	**March**	12 Ch 10 Hypothesis Testing	14 Ch 12 Linear Reg	
11	**March**	19 Ch 13 F-Dist. Ch 11 Chi-Square Dis	21 **Test 3** (Ch 8-10) **HW Due**	
12	**March**	26	28 **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.