Information Sheet for Introductory Statistics   Winter 2022
MathD10.47Z / CRN 35894
Instructor: Teck Ky
Day and Time: Lecture via Zoom T & Th 6:30 PM-8:45 PM
Office Hours: Tuesday and Thursday from 5:15 PM to 6:15 PM on Zoom
You will receive an invitation from Zoom for my office hours. Please check your email for the invitation.

Text: <u>Statistics: Understanding Uncertainty,</u> (Fourth Edition) Frank Soler
Labs: I will send you the labs using EXCEL or Statdisk.
Recommended Calculator: CASION fx-991EX

Topic: This course will cover selected topic from chapters 1-12, including graphical and numerical descriptive methods, probability, random variables and their distributions, sampling distributions, the central limit theorem, confidence intervals, hypothesis testing, z and t procedures, simple linear regression, one-way analysis of variance, and applications of the Chi-squared statistic.

Relationship of the course to College Mission: One aspect of the College's mission is to enable our students to realize their highest potential and to achieve their educational goals. Statistical literacy is as necessary as reading and writing literacy for competence in today's world. This class will help you foster a critical attitude towards statistical arguments and will help provide intuition about statistics which can sometimes be lost behind the mathematical formulas. We will use the latest technology to explore and simulate data.
I am here to teach you and to help you to learn how to learn the contents in this course, and you need to come to class to learn these contents. To be on time for every lecture is not only a goal but also a responsibility.

Writing Across Curriculum Part: Students will use complete sentences to explain procedures and summarize the problems from the textbook, quizzes, and computer labs.

Laboratory projects: Two computer lab assignments will be given this quarter.
You will learn how to use the programs from the Statdisk or EXCEL programs with your assignments. Extensive EXCEL programs and the Statdisk demonstrations will be done in lecture and lab.

Accommodation: If you have a learning or physical need that will require special accommodation, please make an appointment with our Disability Support Services and inform me of your needs. Email: dss@deanza.edu

Reading Regularly = Understanding Class Material.
Homework: Mathematics is learned by doing problems. You cannot learn mathematics just by watching me during class or asking me to solve the problems for you. Mathematics is a lot like playing an instrument or sport. Becoming proficient require practice, practice, practice. The problems from our textbook and in-class-practice problems are your opportunity to practice. Please try to maintain a constant level of effort. The problems will be assigned daily. You are expected to do all problems assigned. You may discuss homework problems with your classmates (it is encouraged!), but you must turn in your original work. Turn in all your homework problems on the day you come to take the exam. Do not fall behind. Write on one side of the paper only. Use the Inbox in your Canvas to submit your work. **No late homework will be accepted.**

Quizzes: Frequent quizzes on homework will be given at the end of the class period. There will be no make-up for missed quizzes.

Exams: There will be two 100-minute exams. Make-up exam will be allowed only under exceptional and justifiable circumstances, and you should be prepared to substantiate your case with some documentation. The exams will be given on **January 27** and **February 24**. The final exam will cover the entire course and will be given on **Thursday, March 24**, **from 6:15 PM to 8:15 PM**.

Attendance: Regular and punctual attendance is expected of each student. Please come to class on time. To be on time for every lecture is not a goal but also a responsibility. I am here to help to do well in this course. But if you don't come to class, I cannot help you. I understand taking this course and juggling life may be tough. To help you manage your time, I have provided you with the course calendar for this quarter. However, if unforeseen circumstance arises and you miss material, please contact me, and let me know so that we can figure out a plan for you to get back on track with the calendar for this course. If you stop participating with this course and don't inform me, I may drop you. You also have the option to drop this course yourself if you choose to stop participating. **January 14** is the last day to drop without a W, and **February 25** is the last day to drop with a W.

Evaluation: Grade will be determined on the basis of total points earned. The following scale will be used.

Homework	40	**A**	426-450
Labs	30	**A-**	400-425
Quiz	30	**B+**	374-399
Exams	200	**B**	348-373
Final	150	**B-**	322-347
		C+	297-321
		C	272-296
		D	247-271
		F	000-246

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.