Math 10-Q02	**Introductory Statistics**	**Fall 2024**	
CRN: 27617			
Instructors:	**NADIA BENSIDI**		
Email:	**bensidinadia@fhda.edu**		
Office Hour:	**Mondays and Wednesdays, 10-10:50 am**	**Office:**	**E37**
Days and Time:	**Mon, Wed, Thurs, 11-1:15 pm,**	**Room:**	**L25**

READ THROUGH THIS ENTIRE SYLLABUS SO THAT YOU ARE FAMILIAR WITH THE CLASS AND ITS MANY DETAILS.

Note: this is a 5 unit course Math10-Q02 CRN27617 with a co-requisite 2.5 unit course Math210-XQ02, CRN 27618. The two courses are blend together as one course, meaning we will study statistics having extra time to support the students in learning and absorbing the material.

Course Description: Introduction to data analysis making use of graphical and numerical techniques to study patterns and departures from patterns. The student studies randomness with an emphasis on understanding variation, collects information in the face of uncertainty, checks distributional assumptions, tests hypotheses, uses probability as a tool for anticipating what the distribution of data may look like under a set of assumptions, and uses appropriate statistical models to draw conclusions from data. The course introduces the student to applications in engineering, business, economics, medicine, education, the sciences, and other related fields

Attendance: You are expected to attend all classes. If you accumulate four absences you will be dropped from the class. Please inform me by email if you are going to be absent and the reason for it. YOU MUST BE IN CLASS EVERY DAY FOR THE FIRST TWO WEEKS OF CLASS OR YOU MAY BE DROPPED. ANYONE WHO DOES NOT COMPLETE THE FIRST ASSIGNMENTS WILL BE DROPED

Text: The textbook for this course is the Introductory Statistics from OpenStax and is available for **FREE**at: http://openstaxcollege.org/textbooks/introductory-statistics You can use the book online or download a pdf file or just access it through the webassign (cengage)

Related Materials 1) A graphing calculator is required: TI 84 or TI-84+. You may use a TI83 or TI 83+ if you already have one
2) **You need to print a chapter material course each week, available on Canvas.**

Homework: The Homework is mandatory. The Homework will be available and graded online at WebAssign. The lowest score will be dropped. You need to create an account on cengage.com:

1) go to cengage.com.
2) click on student.
3) enter the class key.
4) follow the instructions to create an account.
5) you can purchase the access code now or you can use the temporary code available for free for 14 days.. The
      The class key is: deanza 9751 9131

Note: Once a week we will go to the computer lab, for you to complete the homework.

Quizzes: Many quizzes will be given through the quarter. The lowest quiz grade will be dropped. No make-ups are given. Some quizzes will be on Webassign and some will be in class.

Labs: Labs make use of the TI graphing calculator. The labs will be done in groups of up to four members. Turn in one copy with all of the group members' names on the top.

Project: One project is assigned for the quarter. You will collect data and perform a statistical study. You can work with partners up to four members. Turn in one paper with the names of all partners in the group.

Exams: Three exams will be given. Each exam is multiple choices and worth **50 points**. Exams will be taken in classroom only. Bring a Green Scantron available at the bookstore. Students may bring 1 page of notes front and back.

Final Exam:**   A two-hour comprehensive exam will be given. If you miss the final exam, you will receive an F for the course. Bring a Score Sheet (green scantron). Students may bring 2 pages of notes to the final. Finals must be taken at scheduled time during finals week.

** The final exam counts as two test exams. Therefore they are like five exams and the lowest exam score will be dropped.

Grading system

Homework	50pts	A+: 96% and above	A: 89%-95%
Quizzes	50pts	B+: 85%-88%	B: 79%-84%
Exams	100pts	C+: 76%-78%	C: 68-75%
Final**	100pts	D: 60-67%	
Project	30pts	F: below 60%	
Labs:	30pts		
TOTAL:	**360p**ts		

Topics to Skip
Ch 3:   Venn diagrams
Ch 4:   Geometric, Hypergeometric, Poisson Distributions
Ch5:   Conditional probability for Uniform distribution
Ch 7:   Central Limit Theorem for Sums
Ch 11:   Test of variance
Ch 13   Test of two variances

Miscellaneous
Chapter videos and podcasts to download are available on Barbara Illowsky's web site:
          http://faculty.deanza.edu/illowskybarbara/

Paperss must be turned in on the due date. They may be turned in earlier, but THEY WILL NOT BE ACCEPTED LATE.

SUDENTS SERVICES
Free Tutoring: I strongly encourage you to utilize this resource. More information can be found here:
          http://www.deanza.edu/studentsuccess/mstrc/

 Disability Support Services: If you need to contact the Disability Support Services, then please contact them as soon as possible. More information can be found here: https://www.deanza.edu/dsps/

Academic Integrity: This is pretty straightforward: Do not cheat on quizzes, exams, or directly copy other student's work. It is not worth getting caught and suffering the consequences. For more information about De Anza College's policy on academic integrity: https://www.deanza.edu/policies/academic_integrity.html

Student Services: This web site leads you to information about financial aid, child care, counseling, academic support, disability support, student activities, and other services that are here for you. The physical location for most of these services is in the Student Community Services Building. http://www.deanza.edu/studentservices

Last day to add: 10/06/2024

Last day to drop without W: 10/062024

Last day to drop with W: 11/15/2024

Below is a tentative schedule for the course. I may need to make some changes if needed by removing assignments or adding assignments depending on the progress we will make through the quarter.

	MONDAY	TUESDAY	WEDENESDAY	THURSDAY	FRIDAY
SEP	23 Instruction Begins Ch1		25 Ch1	26 Review, Practice Lab ch1	27
SEP	30 Ch. 2		2 Ch. 2	3 Review, Practice Lab Due:ch1	4
OCT	7 Ch. 3		9 *Start Project* Ch. 3	10 Review, Practice	11
OCT	Ch.4 14 **EXAM 1** **Ch. 1, 2, 3**		16 Ch. 4 Proj: Graph Check	Ch 4 17 Review, Practice Lab ch4	18
OCT	21 Ch. 5		23 Ch5/Ch 6	Ch 6 24 Review, Practice Lab Due ch4	25
OCT/ NOV	28 Ch. 7		30 Ch7 Review, Practice	31 **EXAM 2** **Ch 4, 5, 6, 7**	
NOV	4 Ch. 8		6 Ch. 8	7 Ch. 8 **Lab Ch8**	8
NOV	11 Veteran's day		13 Ch. 9	Ch9 14 Review, Practice	15
NOV	18 Ch. 10		20 Ch. 10 **Project due**	21 Review, Practice	22
NOV/DEC	25 **EXAM 3** **Ch 8,9,10**		27 Ch. 11	28 Thanksgiving day	29
DEC	2 Ch. 12		Ch.13 4 Review, Practice	5 *Final Review*	6
MAR	9 **Final Exam** **11:30-1:30pm**		11	12	**13**

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

Office Hours:

     M,W   10:00 AM   10:50 AM   In-Person   room: E37