

Instructors	NADIA BENSIDI
Days and Time	Monday-Friday, 10:30-11:20 pm on zoom, online (synchronous) via Zoom (in Canvas) Some Fridays we do not meet but you will have to finish some assignments on that day.
Email	bensidinadia@fhda.edu
Office Hours	Thurs. 1:30-2:20pm on Zoom

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

This is a demanding, but rewarding class. If you cannot commit to a minimum of 15 hours per week of study and group work, then you should take this class in a quarter when you have more time to learn. This is also a collaborative class. You will be expected to work with your classmates both inside and outside of class.

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

Prerequisite: Passing grade (C or better) in Intermediate Algebra or placement exam; Advisory: English Writing 100 and Reading 100 (or Language Arts 100), or English as a Second Language equivalent courses.

Attendance: You are expected to attend all zoom sessions. 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.

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)

Homework: The Homework is mandatory. The Homework will be available and graded online at WebAssign (<http://cengage.com>). You will need to purchase a code to access the Webassign homework. The lowest score will be dropped. The class key is: **deanza 0127 9223**

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.

Quizzes: Many quizzes will be online either webassign or canvas. The lowest quiz grade will be dropped. No make-ups are given.

Exams: 4 exams will be given. Each exam is multiple choices and worth 50 points. Exams are taken during our zoom sessions as scheduled.

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 (# 1712-PAR-L). 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 six exams and the lowest exam score will be dropped.

Grading system

Homework	40pts	A+: 96% and above	A: 89%-95%
Quizzes	40pts	B+: 85%-88%	B: 79%-84%
Exams	150pts	C+: 76%-78%	C: 68-75%
Final**	100pts	D: 60-67%	
TOTAL:	330pts	F: below 60%	

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/>

Papers 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/studentssuccess/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/studentsservices>

The last day to add is **April 16th 2022**

The last day to drop with no record is **April 17th 2022**

The last day to drop with a W is **May 27th 2022**

TENTATIVE SPRING SCHEDULE 2022

	MONDAY	TUESDAY	WEDENESDAY	THURSDAY	FRIDAY
April	4 No school	5 No school	6 Ch1	7 Ch1	8 Ch1
April	11 Ch1	12 Ch2	13 Ch2	14 Ch2	15
April	18 Ch2	19 Ch3	20 Ch3	21 Ch3	22 Quiz Ch2,3
April	25 Ch3	26 Exam1 Ch:1,2,3	27 Ch4	28 Ch4	29
May	2 Ch4	3 Ch5	4 Ch5	5 Ch6	6 Quiz Ch4, 5
May	9 Ch6	10 Ch6, Review	11 Exam 2 CH;4,5,6	12 Ch7	13 Ch7
May	16 Ch8	17 Ch8	18 Ch8	19 Ch9	20 Quiz Ch8
May	23 Ch9	24 Ch9	25 Ch9	26 Exam3 Ch: 7,8,9	27
May/June	30 Memorial day No class	31 Ch10	1 Ch10	2 Ch10	3 Quiz Ch10
June	6 Ch11	7 Ch11	8 Ch12	9 Ch12	10
June	13 Ch12	14 Exam4:Ch10,11,12	15 Ch13	16 Ch13	17 Quiz Ch13
June	20 Juneteenth/ no class	21	22	23 Final Exam 9:15-11:15am	24

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.