Math 10-14 **Elementary Statistics** **Winter 2017**

Instructors	NADIA BENSIDI
Days and Time	Monday-Friday, 12:30-1:20 pm **Room E-33**
Email	bensidinadia@fhda.edu **Office E-37**
Office Hours	Mon. and Tues. 11:30-12:20pm, and Wed. 11:30-11:55 am

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.

Students Learning Outcomes:

1) 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.
2) Identify, evaluate, interpret and describe distributions data through the study of sampling and distributions and probability theory.
3) collect data, interpret, compose and defend conjectures, and communicate the results of random data using statistical analyses such as interval and point estimate, hypothesis tests, and regression analysis.

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 classes. **Tardy counts as half an absence**. You are considered tardy if you come to class after the attendance has been taken. Also leaving the class early will count **as half an absence**. If you accumulate five 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. **An absence can be cleared by taking one hour of tutoring.**

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. You can also buy the hardcopy version of the text at the bookstore or on line.

Related Materials: Graphing calculator required (TI-83 PLUS or TI-84 graphing calculator preferred). Small stapler; small pencil sharpener; small ruler. You can borrow the TI83 from the Library if it is available when you need it. The MPS program has also few calculators to lend to students. Let me know about it.

Quizzes: Quizzes are closed book and with one page of notes (one side) allowed. Quizzes will test your understanding and completion of the homework problems. You will need to do the homework thoroughly and completely to do well on the quizzes. The lowest quiz grade will be dropped. No make-ups are given.

Labs: They are activity assignments called labs. They make use of the calculator. You will be working collaboratively with partners. You will turn in one paper per group. No make-ups or late papers will be accepted.

Project: There is one project worth 50 points. It is a group work. One paper will be turn in.

Homework: The Homework is mandatory. The Homework will be available and graded online at WebAssign (http://webassign.net). The lowest score will be dropped.

Exams: 3 exams will be given. Each exam is multiple choices. Bring a Score Sheet (# 1712-PAR-L at bookstore). No make-ups are given. Exams are closed book. Students may bring to the exam one 8" x 11" page of notes, and a calculator.

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.

Grades:	Homework	100pts		
	Quizzes (5@ 20)	80pts	A:	90% and above
	Labs (3@20)	60pts	B:	78%-89%
	Project (1@50)	50pts	C:	68-77%
	Exams(3@100)	200pts	D:	60-67%
	Final**	200pts	F:	below 60%
	TOTAL:	690pts		

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

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

Miscellaneous

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

Take-home papers will not be graded unless they are **STAPLED** (no doggy-ears/folded corners, or paper clips) before class. All papers turned in must be NEAT to earn full credit.

CELL PHONES, Any electronic device (except your calculator) must be turned off and put away during class. Absolutely no noise from them If one goes off during a quiz or exam, you WILL HAVE your paper taken from you.

Tutors are available in S–43, the math and science tutoring center. Go to S-43 to sign up for tutoring.
Students are encouraged to form study groups. Go to S–43 for help in creating a group with a tutor.

Paperss are due by the start of class on the due date. They may be turned in earlier, but THEY WILL NOT BE ACCEPTED LATE.

Graphs should be constructed with a ruler OR done by computer. Always label and scale the axes.

Your grade is based on points and not a "curve."

We expect you to answer word problems and questions with complete English sentences.

CHEATING WILL NOT BE TOLERATED. If anyone is caught cheating, he or she will pay the consequences. That includes the possibility of being expelled from the college.

Student Services:
http://www.deanza.edu/studentservices/
De Anza College has many support services to help you succeed in college. 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.

The last day to drop with a W is March 3rd 2017

TENTATIVE WINTER SCHEDULE 2017

	MONDAY	TUESDAY	WEDENESDAY	THURSDAY	FRIDAY
JAN	9 Instruction Begins Ch1	10 Ch1	11 Ch1	12 Ch1	13 **Lab Ch1**
JAN	16 **No school** M.L.K	17 Ch 2	18 **Lab Due Ch1** Ch 2	19 Ch 2	20 Ch. 2
JAN	23 ***Quiz: Ch1/2*** Ch 3	24 Ch 3	25 ***Start Project*** Ch 3	26 Ch 3	27 **Lab Ch 3**
JAN/ FEB	30 **REVIEW**	31 **EXAM 1** **Ch 1, 2, 3**	1 Ch 4	2 **Lab Ch 3 due** Ch 4	3 Ch 4
FEB	6 Ch. 5	7 Ch. 5	8 Project Data Check Ch 5	9 Ch. 6	10 ***Quiz: Ch4/5*** Ch 6
FEB	13 Ch. 7	14 Ch 7	15 **REVIEW**	16 **EXAM 2** **Ch 4, 5, 6, 7**	17 **NO SCHOOL** President day
FEB	20 **NO SCHOOL** President day	21 Ch. 8	22 Proj. Graph Check Ch. 8	23 **Lab Ch8**	24 Ch. 9
FEB / MAR	27 Ch. 9	28 Ch. 9	1 **Lab Ch8 due** Ch. 9	2 Ch. 10	3 ***Quiz:ch9*** Ch10
MAR	6 Ch. 10	7 Ch. 10	8 **Project due** **Ch. 10**	9 **REVIEW**	10 **EXAM3**
MAR	13 Ch. 11	14 Ch. 11	15 Ch. 11	16 ***T.H.Quizch11*** Ch. 12	17 ***T.H.Quizch11 due*** Ch. 12
MAR	20 Ch 12	21 Ch. 13	22 Ch. 13	23 Ch. 13 ***Quiz Ch.13***	24 **Final Review**
MAR	27	28	29 **FINAL EXAM** **11:30-1:30 pm**	**30**	31