MATH 10-23, Elementary Statistics, Spring 2019

Instructor	**location**	**Email**	**Office Hours**
Renuka Kapur	G-3, 1:30 pm	kapurrenuka@fhda.edu	Mon 1:20 to 2:10 pm; S-43

READ THROUGH THE ENTIRE GREENSHEET SO THAT YOU ARE FAMILIAR WITH THE CLASS.
This is a demanding, but rewarding class. If you cannot commit to a minimum of 10 hours per week of study and group work, then you should take this class in a quarter when you have time to learn. This is also a collaborative class. You will be expected to work with your classmates both inside and outside of class (no exceptions).

Prerequisite: Prerequisite: Mathematics 114 or equivalent with a grade of C or better; or a qualifying score on the Intermediate Algebra Placement Test within the past calendar year.
Advisory: English Writing 211 and Reading 211 (or Language Arts 211), or English as a Second Language 272 and 273.

Book: OpenStax College, Introductory Statistics, openstaxcollege.org, 2013.
Link to the book: https://openstax.org/details/books/introductory-statistics

Related Materials: TI-83 PLUS or TI-84 graphing calculator preferred ; small stapler; small pencil sharpener; small ruler.
Calculator instructions are in Appendix G of the book.
Mathematical phrases, symbols, and formulas are in Appendix F of the book.

Contact me: Email or Text. Please download the Remind App on your mobile. I will give you the class code.

Quizzes: Quizzes are closed book and with one page of notes (both sides) allowed. **<u>No make-ups are given.</u> You are going to have to turn in your quiz paper, if you leave the room for any reason. You will not be allowed work any further on this quiz paper. Seating arrangments on day of exam may be changed.**

Labs: Labs involve groupwork and you may be required to meet outside of class hours to complete the lab work.. **Late papers will not be accepted. <u>No make-ups are given for the lab. Plan on being in class for the entire lab, or you will not be graded.</u>**
No handwritten labs will be accepted. Box plots and graphs should be handdrawn. They need to be "very neat", to scale and labelled.
There is one lab submission per group. Each group member has to write their contribution towards the lab .

Homework: There are 2 options available: having your homework counted towards your grade or not. We will discuss this class.

The homework will be available online at WebAssign.
TO ACCESS WebAssign ONLINE HOMEWORK: http://www.webassign.net
Go to the ACCOUNT LOG IN box on the right
Step 1: Click on the line - <u>Enter Class Key</u>
Step 2: Enter the Class Key given below and submit. Follow directions to register.

Class Key to register is: **deanza 6273 6848**
Please note that the textbook is free, but there is a $34.95 charge for WebAssign. There is a two-week grace period for paying. You can pay by credit card or paypal online. Or, you may use a Financial Aid voucher or pay cash at the De Anza College Bookstore to get an access code.
Late homeworks will not be accepted. Two homework grades will be dropped.
Omit the homework questions for which you are asked to download a file.

Exams: 3 exams will be given. Each exam is multiple choice. Bring a scantron (882-E). Exams are closed book. Students may bring to the exam one 8 ½" x 11" page (both sides) of notes, a calculator, and, if English is a second language, an English translation dictionary. **No makeup exam is given**. . **You are going to have to turn in your exam paper, if you leave the room for any reason. You will not be allowed work any further on this exam paper. Seating arrangments on day of exam may be changed**

Final Exam: A two-hour comprehensive exam will be given. If you miss the exam without contacting me, you will receive an F for the course. Bring scantron (882-E) . Students may bring 3 pages (both sides) of notes to the final. Check Schedule of Classes for exam date. Seating arrangments on day of exam may be changed

Attendance: Tardies count as half an absence. If you arrive in class after the attendance has been taken, then you are considered tardy for the class. Also leaving class early counts as half an absence.If you accumulate the equivalent of 2 absences, <u>whatever the reason</u> , you may be dropped from the course.Please inform me by email if you are absent. <u>However, it is your responsibility to drop the course</u>. YOU MUST BE IN CLASS EVERY DAY THE CLASS MEETS THE FIRST TWO WEEKS OF CLASS OR YOU WILL BE DROPPED.

<u>**I will be allowing you to choose between doing the homework or not doing the homework**</u>**. If you do the homework and want it to be considered then the table below gives the brea-up of the grades, ot of a total of 700points. On the otherhand if you don't want to have the homework considered for your final grade, then the gdare will be out of total of 600 points!**

Grade:
Exams (3@ 100)   300 pts. ***
Quizzes (4@ 25)   100 pts. (lowest 2 out of 6 quiz grades dropped, this will take care of any missed Quiz/ Lab)
Labs (4@ 25)   100 pts.
Homework (10@10)   100 pts   (two lowest homework grades are dropped)
Final Exam   100 pts

A+	$97.5\% < score \leq 100\%$	A $92.5\% \leq score \leq 97.5\%$	A- $90\% \leq score < 92.5\%$
B+	$87.5\% < score < 90\%$	B $82.5\% \leq score \leq 87.5\%$	B- $80\% \leq score < 82.5\%$
C+	$72.5\% < score < 80\%$	C $65\% \leq score \leq 72.5\%$	
D+	$60\% < score < 65\%$	D $55\% < score \leq 60\%$	D- $50\% \leq score \leq 55\%$
F	$score < 50\%$		

Reviews for Exams
Some of the questions to practice would be - The sample tests, the homework, the handouts, Review excercises in Appendix A, and practice tests in Appendix B.
Review for the Final Exam
The homework, handouts, sample tests and the multiple choice questions at the end of each chapter are among some of the topics to be reviewed**.** Practice Finals are at the end of the book in appendix B

Topics to Skip
Ch 3:Venn diagram;
Ch 4:Geometric, Hypergeometric Distributions; Poisson
Ch 7:Central Limit Theorem for Sum;
Ch 11:Test of One Variance

Miscellaneous
Bring the calculator to class every day. We will need it!

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

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

Late papers after the official start time of class will not be accepted. **Take-home papers will not be graded unless they are STAPLED** (no doggy-ears or paper clips) before class. All papers turned in must be NEAT to earn full credit.

***At the end of the quarter, if the final exam is the lowest exam, it will count as 1 exam. Therefore, the final exam and all other exams will count. If one of the 3 midterm exams is the lowest, then that midterm score will be replaced by the final score. Therefore, the final exam will count twice. In summary, you will have a total of 400 exam points. Your grade is based on points and not a "curve."

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.

<u>**CELL PHONES must be in silent mode during class.**</u>

SPRING 2019 (Tentative Calendar)

	Tuesday	Thursday
Apr	Ch. 1 9	Ch. 1 & 2 11
Apr	Ch. 2 16	Ch. 12 TH. Quiz Ch. 12 18
Apr	Lab Ch. 2 **Quiz Ch.1& 2** 23	Review, **Quiz due** **Exam 1** Ch. 1, 2, 12 25
Apr May	Ch. 3 **Lab due** 30	Ch. 3 1
May	Ch. 4 Lab Ch. 3 7	Ch. 4 & 6 **Quiz Ch.3** 9
May	Ch. 6 **Lab due** 14	Ch. 7 16
May	Ch. 7 21	Lab Ch. 7 **Quiz Ch.4 & 6** 23
May	Review **Exam 2** Ch. 3, 4, 6, 7 28	Ch. 8 **Lab due** TH. Quiz Ch.8 30
Jun	Ch. 8 & 9 4	Ch. 9 6
Jun	Ch. 10 **Quiz due** 11	Ch.11 **Quiz Ch.9** 13
Jun	Review **Exam 3** Ch 8, 9, 10, 11 18	Ch. 13 **lab Ch. 11** 20
Jun	**FINAL EXAM** 1:45 pm Ch. 1 thru 13 (omit ch. 5) 25	 27

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.