

MATH 10:03, Elementary Statistics, Summer 2018

Instructor
Renuka Kapur

location
10am: MLC113

Email
kapurrenuka@fhda.edu

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.
No hardcopy of book to be bought. For soft copy of book access webassign.
Access webassign: <http://www.webassign.net>

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.

Email: Email is one of the best ways to contact me.

Quizzes: Quizzes are closed book and with one page of notes (both sides) allowed. **No make-ups are given. 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 arrangements 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. No make-ups are given for the lab. Plan on being in class for the entire lab, or you will not be graded.**
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: Homework will be graded. 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 - **Enter Class Key**
Step 2: Enter the Class Key given below and submit. Follow directions to register.

Class Key to register is: deanza 3772 6976

Please note that the textbook is free, but there is a \$33.95 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. 2 out of 10 homework grades will be dropped.

Omit the homework questions for which you are asked to download a file.

There will be 2 groups homeworks for submission: chapter 3 worksheet and chapter 11 worksheet

Exams: 3 exams will be given. Each exam is multiple choice. Bring a green 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 arrangements on day of exam may be changed**

Final Exam: A two-hour comprehensive exam will be given. If you miss the exam, you will receive an F for the course. Bring scantron (882-E) . Students may bring 3 pages (both sides) of notes to the final. Final exam is on the last day of class

Attendance: Mathematics is cumulative in nature, attendance is expected in all classes. Please arrive on time and stay for the entire scheduled class time.

Dropping class: It is the student's complete responsibility to drop the class. I will not be dropping any student from this class, and a final grade will be given, if you stop coming to class!

Grade:

Exams (3@ 100)	300 pts. ***
Quizzes (5@ 25)	125 pts. (2 of the quizzes are take home)
Labs (3@ 25)	75 pts. (PRINTED & NEATNESS matters)
Homework (10@10)	100 pts (2 lowest webassign homework grades are dropped. 2 homeworks are on paper)
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 exercises 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.

CELL PHONES must be in silent mode during class.

Tentative Calendar

	Monday	Tuesday	Wednesday	Thursday
July	Ch. 1	Ch. 2	Holiday	Ch. 12

		2	3	4	5
July	lab Ch. 2 Quiz Ch.1 & 2	Review Exam 1 Ch. 1, 2, 12	Ch. 3	Ch. 3 Lab Due	
	9	10	11	12	
July	Ch. 4 TH. HW ch. 3 due (HW is the worksheet for chp 3)	Ch. 6	Ch. 7	Ch. 8 Quiz Ch.3 & 4	
	16	17	18	19	
July	Review Exam 2 Ch. 3, 4, 6, 7 TH Quiz ch.6 due (Quiz is the worksheet for chp 6)	Ch. 8	Ch. 8 lab Ch. 8	Ch. 9 TH Quiz ch.8 due	
	23	24	25	26	
July Aug	Ch. 9 Lab Due	Ch. 10	Ch. 10 Ch. 11	Ch. 11 Quiz Ch.9 & 10	
	30	31	1	2	
Aug	Review TH. HW ch.11 due (HW is the worksheet for chp 11) Exam 3 Ch. 8, 9, 10, 11	Ch. 13 lab Ch. 11	Review	FINAL	
	6	7	8	9	

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.