

Math 10: Elementary Statistics – Winter 2015

Distance Learning

Welcome to Elementary Statistics. This is a **demanding**, but rewarding class. This section is a distance learning section. This means that you LEARN THE MATERIAL ON YOUR OWN via Catalyst. If you cannot commit to a minimum of 15 hours per week of study, then you should take this class in a quarter when you have the time. This is also a collaborative class, so, if you'd like, get to know your classmates and work with up to three other students on the labs and projects, submitting one lab or project with all group member names.

Student Learning Outcomes (what you should be able to demonstrate by the end of the course):

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 data distributions through the study of sampling distributions.
3. 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.

READ THROUGH THE ENTIRE GREENSHEET SO THAT YOU ARE FAMILIAR WITH THE CLASS.

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

Book: Introductory Statistics from OpenStax

Note: This text is available for **FREE** downloading at: <http://openstaxcollege.org/textbooks/introductory-statistics>

Related Materials: TI-83 PLUS or TI-84 graphing calculator preferred (TI-86 or 89 are acceptable, but I will only teach the methodologies using the TI-83 and TI-84); small stapler; small pencil sharpener; small ruler. You can rent TI-83/84 calculators, just do a google search.

Other useful information: In addition to my website, look through for Roberta Bloom's website (<http://www.deanza.edu/faculty/bloomroberta/>) for a wealth of resources to help you with the material to be learned in this course.

Quizzes: Quizzes will be taken online through Catalyst.deanza.edu and are to be complete by 11:55 pm on the date given on the calendar inside Catalyst. You will have 40 minutes to complete the quiz from the time you start the quiz. 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. If you have technical difficulties with a quiz, you must notify me IMMEDIATELY via email so that I can reset your quiz if there is time. In case of technical problems with your computer, do not wait until the last minute to take your quizzes. Since your lowest 3 quiz scores will be dropped when calculating your class grade, **there are no make-ups for missed quizzes.**

Labs: Labs make use of the calculator. Labs **may** be done in groups of 3 or 4 students with one lab turned in per group. The lab due dates have been set to correspond with on-campus exam dates. You must turn in the lab at the beginning of the meeting session. Since your lowest lab score will be dropped when calculating your class grade, **there are no make-ups for missed labs.**

Projects: Two projects will be done during the quarter. Specifics will be discussed via Catalyst.

Homework: The purpose of homework is to help you learn the material in the course. You are expected to do the chapter "Practice" in the book before attempting the homework. The graded homework is done via WebAssign.net. You will need to purchase access to the program and use the class key of deanza 6267 2007 to access WebAssign. WebAssign.net will be available starting Monday, January 5, 2015. Since your lowest 3 homework scores will be dropped when calculating your class grade, **there are no make-ups for missed homework assignments.**

Exams: 3 exams will be given. You **must** come to campus to take the exams. They are scheduled for January 27, February 17, March 10 from 6 – 7 pm in MCL105. Each exam consists of 21 multiple choice questions. Bring a brown scantron (#2052 at bookstore) and photo ID. Exams are closed book, however, you may bring to use during 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 make-ups for missed exams.**

Final Exam: A two-hour comprehensive final exam will be given on March 24 from 6 – 8 pm in MLC-105. You **must** come to campus to take the final. The final consists of 42 multiple choice questions. If you miss the final without contacting me,

you will receive an F for the course. Bring a brown scantron (#2052) and photo ID. The final is closed book. Students may bring 2 pages (both sides) of notes (8.5 x 11 inches) to the final.

Attendance: I do not take attendance in this class as it is a Distance Learning class. I will, however, drop any student who has not logged onto the Catalyst system by midnight January 16, 2015 as a NO SHOW as this is an indication to me that you do not wish to take the class. In addition, if at any time during the quarter you have not logged onto the Catalyst for over 7 days, I will send an email to you about that 'absence' and if you continue to not log onto Catalyst, I may drop you from the class. Ultimately, however, it is your responsibility to drop the course if you have decided to stop participating in the class.

Grade:			Lowest percentage for:		
Exams (3 @ 100)	300 pts. ***		A+: 97%	A: 94%	A – : 90%
Online quizzes (13 @ 10)	100 pts. (lowest two dropped)		B+: 86%	B: 81%	B – : 78%
Labs (5 @ 20)	80 pts. (lowest one dropped)		C+: 74%	C: 66%	
Projects (1 @ 40, 1 @ 25)	65 pts. (both count)		D+: 63%	D: 57%	D – : 55%
Homework (13 @ 10)	100 pts. (lowest two dropped)		F: 0		
Final Exam	100 pts.				

Your grade: I use a program called jupitered.com to track your scores. You will receive an email from me during the second week of class from that program with instructions as to how to access your grade.

Miscellaneous

- Chapter videos and podcasts to download are available on Catalyst or through De Anza's iTunes site. Access can be made through Catalsty.deanza.edu.
- Late papers will not be accepted.
- All papers turned in must be NEAT to earn full credit.
- Tutors are available in S – 43, the math and science tutoring center. The tutoring center offers tutor-led study groups and tutors as assistants in the labs (S42 and S48). 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.
- ***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 or missed, 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.
- CHEATING WILL NOT BE TOLERATED. If anyone is caught cheating, he or she will receive an F for the course and reported to the appropriate college officials. Penalties include the possibility of being expelled from the college.
- Your grade is based on the percentages listed above and not a "curve."

Student Services:

<http://www.deanza.edu/student-services/>

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.

Dropping the Course: from Admissions and Records

The first two weeks of the quarter, students can drop using the STAR System or over the Internet. After that date, you may drop or withdraw online or at Admissions and Records. The last day to drop with no record is January 16, 2015. The last day to drop with a W is February 27, 2013.

Topics to Skip

- Ch 3: Venn diagrams
- Ch 4: Poisson, Geometric, Hypergeometric Distributions
- Ch 5: Conditional Probability in Uniform Distributions
- Ch 7: Central Limit Theorem for Sums
- Ch 11: Test of One Variance
- Ch. 13: Test of Two Variance

Class Calendar at a glance (due dates are also listed in Catalyst)

Date	Stuff due or to do
Week of Jan 5	<ul style="list-style-type: none"> • Make sure you access Catalyst, WebAssign (WA) on Monday, January 5. (2 EC points for each if accessed by 7 am Tuesday, January 6.) • Ch. 1 WA due Friday.
Week of Jan 12	<ul style="list-style-type: none"> • Quiz 1 due Monday. • Ch. 2 WA due Friday
Week of Jan 19	<ul style="list-style-type: none"> • Quiz 2 due Monday. • Ch. 3 WA due Friday.
Week of Jan 26	<ul style="list-style-type: none"> • Quiz 3 due Monday. • Exam 1 is Tuesday at 6 pm in MLC-105. • Project 1 due Tuesday. • Chapter 3 Lab due Tuesday. • Ch. 4 WA due Friday.
Week of Feb 2	<ul style="list-style-type: none"> • Quiz 4 due Monday. • Ch.5 WA due Friday.
Week of Feb 9	<ul style="list-style-type: none"> • Quiz 5 due Monday. • Ch. 6 & 7 WA due Fri.
Week of Feb 16	<ul style="list-style-type: none"> • Quiz 6 & 7 due Monday. • Exam 2 is Tuesday at 6 pm in MLC-105. • The Chapter 6 and Chapter 7 labs are due Tuesday. • Ch. 8 WA due Friday.
Week of Feb 23	<ul style="list-style-type: none"> • Quiz 8 due Monday. • Ch. 9 WA due Friday.
Week of Mar 2	<ul style="list-style-type: none"> • Quiz 9 due Mon. • Ch. 10 WA due Friday.
Week of Mar 9	<ul style="list-style-type: none"> • Quiz 10 due Monday. • Exam 3 is Tuesday at 6 pm in MLC-105 • Ch. 9 Lab due Tuesday. • Project 2 is due Tuesday. • Ch. 11 WA due Friday.
Week of Mar 16	<ul style="list-style-type: none"> • Quiz 11 due next Monday. • Ch. 12 & 13 WA are due Friday.
Week of Dec 23	<ul style="list-style-type: none"> • Quiz 12 & 13 are due Monday. • The final exam is Tuesday from 6 – 8 pm in MLC-105. • The Chapter 11 Lab is due Tuesday.