

Math 10: Elementary Statistics – Winter 2009

INSTRUCTOR: Barbara Illowsky E-MAIL: illowskybarbara@deanza.edu PHONE: (408) 864-8211 WEBSITE: http://faculty.deanza.edu/illowskybarbara	SECTION: 10-23 (#1431), T 1:30 – 3:40 PM, Room S16 OFFICE: S76h (west side of campus in courtyard between E3 and S7 buildings) OFFICE HOUR: T 12:15 – 1:15 PM, or by appointment
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Welcome to Elementary Statistics. This is a **demanding**, but rewarding class. This section is a hybrid section, which means you LEARN THE MATERIAL ON YOUR OWN via Catalyst and come to class to ask homework questions, do labs, and take quizzes and exams. 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. You will be expected to work with your classmates both inside and outside of class (no exceptions).

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: Collaborative Statistics (2008, ISBN: 0978745000) by Illowsky and Dean
Note: This text is available for purchase in hard copy at the De Anza College Bookstore or for **FREE** downloading at: <http://cnx.org>. Access the text by text title, Collaborative Statistics. You may download the text for free onto your computer and print out the pages you want. (Note: If you plan on printing the entire book, it's less expensive to purchase the hard copy at the Bookstore or online.)

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 PLUS CALCULATORS at <http://myti83.com> for \$9 per month.

Other useful information: Look through the websites for Roberta Bloom (<http://faculty.deanza.edu/bloomroberta>) and Susan Dean (<http://faculty.deanza.edu/deansusan>) for a wealth of information – help with understanding concepts, sample quizzes and test questions, labs, TI calculator instructions and MUCH, MUCH, more.

Quizzes: Quizzes will be given according to the calendar schedule and will be approximately 20 minutes long. 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. Your lowest quiz score will be dropped.

Labs: Lab assignments make use of the calculator. Bring a copy (printed or on lap top) of the lab with you to class. You must be in class on the day a lab is started to get the data and credit for the labs. If you miss class on the day of a lab, you will not be allowed to turn in the lab on your own. You will not be able to complete most labs in class. No make-ups or late papers will be accepted. You may turn in labs early. Your lowest lab score will be dropped.

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 workbook before attempting the homework. The answers are in the back of the printed text book or after the practices online. Then, do the problems in the text and check those answers in the back of the text or online. The homework should be done in advance of the class session indicated on the calendar so you are prepared to ask any questions you may have. Textbook homework will be collected at each exam and graded for completeness. There will be weekly online “Homework Checks” for each chapter which will be graded. Your lowest two homework check scores will be dropped.

Exams: 3 exams will be given. Each exam consists of 21 multiple choice questions. Bring a small brown scantron (#2052 at bookstore). No make-ups are given. 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.

Final Exam: A two-hour comprehensive exam will be given. The exam consists of 42 multiple choice questions. If you miss the exam without contacting me, you will receive an F for the course. Bring a small, brown scantron (#2052). Students may bring 2 pages (both sides) of notes to the final.

Attendance: Class attendance is essential to student success in math. You are expected to be present, prompt and prepared to ask questions about the assigned homework for all class meetings. Coming late to class is irresponsible, impolite and disruptive to your classmates and is not acceptable. Students not in attendance when labs are started will not be allowed to make-up the lab. It is YOUR responsibility to drop the course should you decide to stop attending, DO NOT rely on me to do it for you. I will, however, drop any student who has not logged onto the Catalyst course by January 16, 2009.

Grade:			Lowest percentage for:		
			B+: 86%	B: 81%	A – : 90%
	Exams (3@ 100)	300 pts. ***	C+: 74%	C: 66%	B – : 78%
	HW – online (12 @ 10)	100 pts. (lowest two dropped)	D+: 63%	D: 57%	
	HW – class (12 @ 5)	60 pts. (all count)	F: 0		D – : 55%
	Labs (6 @ 30)	150 pts. (lowest one dropped)			
	Quizzes (7 @ 20)	120 pts. (lowest one dropped)			
	Final Exam	100 pts.			

Miscellaneous

- Bring your book and calculator to every class. If you downloaded the book to your laptop, you may use your laptop during class but not during exams.
- Chapter videos and podcasts to download are available on my web site or through De Anza's iTunes site
- 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.
- CELL PHONES, ipods, and other electronic devices (except your calculator or laptop) must be turned off and put away during class. Absolutely no noise from them! If one goes off during class, we will all stop what we are doing and stare at you. If one goes off during a quiz or exam, you risk having your paper taken from you.
- 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.
- 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 receive an F for the course and reported to the appropriate college officials. Penalties include the possibility of being expelled from the college.

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 three weeks of the quarter, students can drop using the STAR System or over the Internet (up through the Last Day to Drop with No Record listed in the Schedule of Classes). After that date, students must go to Admissions and Records to drop. The last day to drop with no record is January 23, 2009. The last day to drop with a W is February 27, 2009.

Topics to Skip

- Ch 3: Venn diagrams
- Ch 4: Geometric, Hypergeometric Distributions
- Ch 7: Central Limit Theorem for Sums
- Ch 11: Test of One Variance

Calendar:

Jan	Begin Calculator Lab Ch. 1	HW 1	6
Jan	Lab Due: Ch. 1 Quiz: Ch. 1	HW 2	13
Jan	Review for Exam 1 Lab: Ch. 12 Quiz: Ch. 2	HW 12	20
Jan	Exam 1: Ch. 1,2,12 Lab Ch. 3 Lab Due: Ch. 12	HW 3	27
Feb	Quiz: Ch. 3 Lab Due: Ch. 3 Lab: Ch. 5	HW 4 HW 5	3
Feb	Review for Exam 2 Lab Due: Ch. 5 Quiz: Ch. 5	HW 6	10
Feb	Exam 2: Ch. 3,4,5,6 Lab: Ch. 6	HW 7	17
Feb	Lab due: Ch. 6 Quiz: Ch. 7	HW 8	24
Mar	Quiz: Ch. 8 Lab Ch. 9	HW 9	3
Mar	Review for Exam 3 Lab due: Ch. 9 Quiz: Ch. 9	HW 10	10
Mar	Exam 3: Ch. 7,8,9,10	HW 11 Review for final	17
Mar	Final is from 1:45 - 3:45 PM		24