

Elementary Statistics	DE ANZA COLLEGE	SPRING 2008
MATH 10.23 2 days: TTh 1:30 – 3:40		MATH 10.10 5 days: MTWThF 11:30 – 12:20
Instructor: Roberta Bloom		Website: http://faculty.deanza.fhda.edu/bloomroberta
Office: S41a	Phone: 408-864-8591	email: bloomroberta@deanza.edu
Office Hours: Mon., Wed., Fri.: 12:30 to 1:30 pm ; Tues., Thurs: 9:15 – 10:15 am		

Prerequisite: Intermediate Algebra Math 114 with Grade of C or better; or equivalent placement
 Advisory: English Writing 100 & Reading 100 (or Language Arts 100), or ESL equivalent courses

Textbook: Collaborative Statistics, by Illowsky and Dean 2007 ISBN: 0978745000
Calculator required: TI-83, TI-83+, or TI-84+ *More calculator info on p. 3*
Calculator Instructions: Print appropriate instructions from Math 10 Calculator page on instructor’s website.
Chapter Notes: To supplement the textbook; provided via the [website](#) for some chapters during the quarter.
Other: Small Stapler . Get 4 extra AAA batteries for calculator and keep them in your backpack.
Bring to class every day: Textbook, Calculator & Instructions, Stapler, & Chapter Notes (if any)

Statistics is a demanding but rewarding class.
 To be transferable to 4-year colleges, Math 10 is required to cover a lot of material and moves at a rapid pace.
Significant work is required outside class, as well as regular attendance. De Anza College advises students to do 2 hours of work outside class for each hour spent in class, which means **you need to do a minimum of 10 hours weekly for this class.** If you cannot commit to a minimum of 10 hours per week of study and group work outside of class, then you should plan to take this class in another quarter when you have time to learn and do the work.
This is a collaborative class. You are required to work with classmates both in and outside of class.

GRADES Students are evaluated primarily on Exams (Midterm Exams approx. 41%; Final Exam approx. 21%)
 Quizzes and HW (approx. 17%) and Labs (approx. 21%) also affect the grade.

Exams: 3 @ 100 points; see exam note* on p.2	300 points
Final Exam	150 points
Quizzes (5 @ 20 pts, 1 lowest of 6 dropped)	100 points
Labs (5 @ 30 pts, 1 lowest of 6 dropped)	150 points
Homework – randomly collected	25 points
Total points possible:	725 points

Course Grades: Minimum percentage needed to guarantee the indicated grade		
A: 93%	A-: 90%	
B+: 86.5%	B: 82.5%	B-: 79%
C+: 75.5%	C: 68.0%	
D: 58%	F: under 58%	

Attendance: Regular attendance is essential for student success in math class. You are expected to attend all classes, arrive on time and stay for the entire class. Late arrival/early departures are disruptive. You may be dropped if you miss any classes during the first two weeks OR if you are absent from, arrive late to, or leave early from more than 5 classes during the quarter, or any combination thereof.
It is YOUR responsibility to withdraw from the course by the official deadline if you choose not to complete the class. If you just stop attending without officially withdrawing, you may fail the class with a grade of F. Do not assume that I will automatically drop you if you stop attending. Withdrawals with a "W" after the 3rd week must be done in person at Admissions & Records.
Do NOT ask me to withdraw you after the withdrawal deadline at end of the 8th week

Classroom Rules: Respect other students’ right to learn in a classroom environment that supports learning.
No private conversations or disruptive behavior in class. Disruption of class may result in the student being asked to leave or being dropped. Turn off and put away cell phones and other devices before class. If your phone or device makes noise during class & disrupts class, the instructor may ask you to leave. If it makes noise during a quiz or exam, the instructor may deduct points from your grade each time it makes noise. If it goes off more than once during a quiz or exam during the quarter, the instructor may take your quiz/exam paper and ask you to leave.

Be Prepared: Your preparation affects your and other students' ability to learn in class.
 Bring required materials. Keep up to date daily so that you are prepared to participate in a constructive manner to hands-on class learning activities. If students are unprepared, an activity may fail as a demonstration of the concept it is designed to illustrate, adversely affecting everybody's learning.

Midterm Exams:	<p>3 exams; tentative dates are on the class calendar; any changes announced in class.</p> <p>Bring calculator & half-page scantron #2052; exams will be part or all multiple choice.</p> <p>1 page of notes permitted, 8.5 by 11 inch both sides. Notes are collected with exam; you can not take them from the room. To get notes returned, you must bring a small stapler to attach notes to the exam.</p> <p>NO MAKE-UP EXAMS. Arrive on time; no extra time given for late arrivals. Absence earns a grade of 0.</p> <p><i>*NOTE: If advantageous to the course grade, the lowest exam grade is replaced by the <u>percentage equivalent</u> grade on the final exam. An exam absence earns a grade of 0; one such grade of 0 for absence would then be your lowest exam score and would be replaced by your percentage equivalent grade on the final exam</i></p>
Final Exam:	<p>2 hours; mandatory and comprehensive. Covers all material on syllabus.</p> <p>Bring half-page scantron #2052 & calculator. 2 pages of notes permitted 8.5 by 11 inch 2-sided (that is 4 “sides” total). Notes are collected with the exam. Notes and final exams kept by instructor.</p> <p>If you miss the final exam without contacting the instructor, you will receive an F for the course.</p> <p>Final exam must be taken at the official college scheduled final exam time for this class.</p>
Quizzes:	<p>Quizzes are based closely on homework & classwork. You need to do homework thoroughly & completely to prepare for quizzes. Tentative quiz dates are on class calendar. NO MAKE-UP QUIZZES.</p> <p>Your lowest quiz score is automatically dropped. Arrive on time; no extra time given for late arrivals.</p> <p>No notes permitted for quiz #1. For subsequent quizzes, 1 page (8.5 by 5.5 inches) 1 SIDED ONLY of notes permitted. Notes are collected; you can not take them from the room. To get notes returned, bring a small stapler to securely attach notes to the quiz when collected. <i>One quiz absence due to emergency, health, family or personal matters, academic, work, or religious commitments, or any other reason will be replaced by your average grade on all other quizzes. Additional quiz absences earn a grade of 0. If you have more than one quiz absence, one such grade of 0 will be dropped as your lowest quiz grade.</i></p>
Homework:-	<p><u>The purpose of homework is to help you learn the material in the course. You are held responsible to READ the textbook and chapter notes, if any. DO the chapter practice and all assigned problems. Bring your homework to class every day. Instructor may randomly collect homework at any time, even unannounced.</u> To earn all homework points when homework is collected, you need to show all work as well as final answers. You are responsible for doing all homework even when it is not collected. Proficiency comes from practice doing problems; practice is crucial in enabling you to know how to do problems and carry it through on quizzes & exams in the amount of time given.</p> <p>A list of homework assignments will be distributed in class and posted on the website.</p> <p>The homework is closely related to the material asked on the quizzes.</p> <p>The instructor will answer homework questions in class to the extent that time permits.</p> <p>Additional help is available during office hours or by appointment or in the Tutorial Center (S43).</p>
Graded Labs:	<p>Labs use technology (graphing calculator or computer) to apply concepts with data or simulation.</p> <p>Labs will be started in class in groups; most labs need to be completed outside of class time.</p> <p>If you don't do a lab, you receive a grade of 0. Your lowest lab grade will be automatically dropped.</p> <p>Group labs: some labs may be done in groups – hand in one lab write-up for the entire group with all students names on the lab.</p> <p>Individual labs: For some labs, each student must hand in an individual write-up in his/her own words, but the student should also indicate the names of any students he/she worked with while doing the lab.</p>
Standards of Work:	<p><u>College level work is expected in this class.</u> Work is graded for both accuracy and quality of work.</p> <p>Work must be neat, legible, organized, and in order. Correct answers generally must be supported by correct work to receive credit.</p> <p>Interpretation is crucial in statistics: when interpretations, conclusions or explanations are asked for, use complete sentences that explain concepts and conclusions <u>in the context of the problem.</u></p> <p>You may lose credit, even if the final answer is correct, if the instructor can't read or understand your work, if necessary details, work, or interpretations are missing, if work is not logically presented in an easily understandable manner, if work is shown but is incorrect and/or not consistent with answer.</p> <p>Papers handed in must contain your full name/class time and be STAPLED (no folded corners/doggy ears); otherwise they may not be accepted or you may not receive credit; the instructor is not responsible for unstapled papers that come apart, resulting in incomplete assignments.</p>

Academic Integrity:	<u>All students are expected to exercise academic integrity throughout the quarter.</u> Cheating and academic dishonesty are not tolerated and can result in a grade of 0 or F for that quiz/exam/assignment/lab or a grade of F for the course. In addition the student will be referred to the Dean for academic discipline. Any grade of 0 or F due to cheating or academic dishonesty will not be dropped or replaced. Cheating includes, but is not limited to, copying from other students or permitting other students to copy from you, plagiarism, submitting work that is not your own, and using notes on exams that do not meet permitted specifications. Using any electronic device other than your approved graphing calculator on a quiz or exam may be considered cheating. Sharing a calculator with another student for an exam or quiz is considered cheating as work may be saved in memory.
Extra Credit:	There will NOT be extra credit work given to "make up" for work you did not do, or did not do well on. Plan to earn your points by doing required work thoroughly & on time. A small amount of extra credit points may be available on exams. This class is very busy; additional extra credit assignments would place excessive strain on the already substantial workload.
Computer Use and Website:	Website: http://faculty.deanza.fhda.edu/bloomroberta: has web notes, updates & schedule changes, assignments, lab info, help resources, links to videos/ podcasts, exam/quiz solutions after they are graded. We may use Excel for some labs. Home computer/internet access not required – computers with internet & Excel are available in Media Center (Learning Center West) or math lab during open lab hours.
Absence:	<u>You are responsible for keeping up with class, assignments & labs, and to be aware of schedule changes even when absent.</u> Obtain phone numbers or email addresses of other students to contact if you are absent to get notes, etc. I will not repeat lectures during class, office hours, or any other time. If you are absent repeatedly, you will find it difficult to keep up and catch up. If you are absent, read the text and go to the tutorial center first; then come to me if you still have specific questions.
Promptness	Plan to arrive on time and stay for the entire class. Leave enough time to avoid traffic & parking problems. If you unavoidably arrive late on a rare occasion, quietly take a seat near the door without disturbing others. Do not walk across the entire classroom, or interrupt to ask about what you missed by arriving late. If you disrupt class you may be asked to leave immediately, resulting in an absence for that day. AFTER CLASS, tell the instructor you were late and pick up any handouts or papers returned at the start of class. You are not permitted to go to the instructor's desk and look through her papers to find yours or to get handouts. If you unavoidably leave early on a rare occasion, sit near the door to leave without disturbing other students.
Calculator:	TI 83, 83+, 84+ have the required statistics programs built in. Instructor demonstrates these calculators in class. www.myti83.com rents TI-83 calculators at a low monthly rate. TI-86: not recommended but acceptable; you can get the statistics programs from your instructor. TI-89: not recommended ; acceptable ONLY IF you are able to learn to use it entirely on your own from the instructions on website; instructor can not help with a TI-89 during class. For the TI-89, you must download the statistics list editor directly from the TI website. NOTE: there may be some programs the instructor distributes for TI 83, 83+, 84+ that are not available for TI-86 or 89, and you would have to somehow manage without these programs. If your calculator is lost, stolen, or broken, it is your responsibility to obtain a calculator to use (The library lends calculators for several hours at a time; you need your DASB card to borrow one.) You can NOT use a cell phone or device as a calculator on a quiz or exam. Carry 4 extra AAA batteries! Students can NOT share calculators for quizzes or exams. The instructor can NOT lend her calculator. Print & use the calculator instructions on the Math 10 Calculator page.
Schedule Changes, Cancellation, Emergency:	Schedule changes will be announced in class. If class is cancelled for any reason, or if an emergency causes campus to be closed, assume that any quiz, exam or due date scheduled for that date will be rescheduled to our next class meeting. If there are other changes, I will announce them in class after classes resume. Call my voicemail and check the website; if necessary and if possible, I may post a message.
Educational Access:	For information or questions about eligibility, support services or accommodations due to disability (physical or learning disability) see contacts below: Also, please see me to discuss your situation. Disability Support Service (DSS): Student Services Building (408) 864-8753; TTY (408) 864-8748 Educational Diagnostic Center (EDC): Learning Center West 110; (408) 864-8839 Special Education Division: 864-8407; www.deanza.edu/specialed

STATISTICS IS DIFFERENT FROM OTHER MATH CLASSES

Everything you learn in statistics class is relevant on a personal level to your everyday life, as well as to your professional/educational goals. Decisions in the real world made using techniques we learn in this class have already affected and will continue to affect your daily life. For example, statistical tests are used to determine the safety and effectiveness of medical treatments, and to analyze effectiveness of educational programs. You read and hear statistics in the media every day.

Almost everything is a word problem, giving a context to the data we study. Most problems are drawn from real life situations. In statistics class, using your critical thinking, reading, and communication skills to understand, interpret and explain results is as important as doing calculations. Answers require explanation to make sense to others and to understand what the calculations tell you; details matter.

Statisticians use computer technology to work with data. You will use your calculator as your own personal "statistics computer" to analyze data and carry out statistical tests, using it in class, at home, and on exams and quizzes. You will find that you will depend heavily on this important tool in studying modern statistics.

For many of you, this may be your first college level math class, and college level standards apply.

You may find that the sophistication of ideas, the speed at which we progress, and expectations are of a different level than in the prerequisite foundation math classes. You will need to read and rely on the textbook and the instructor's web notes to help you master the material, in addition to learning the material as covered in class.

IF YOU NEED HELP IN THIS CLASS

- CHECK IN THE MATH TUTORIAL CENTER (S-43) for FREE TUTORS or tutoring groups for this class.
- SEE ME DURING OFFICE HOURS or make an appointment if you have a class during my office hours. I can answer questions about course material, discuss grades and strategies to help you succeed. You can also visit these other Math 10 instructors during their office hours who can help if they are not busy with students from their classes:

Harman Dhaliwal	S52a	M W 8:15 – 9 PM	TTh 6 - 7 PM
Renuka Kapur	S43	T 10:30 -11:30 AM	
Kathy Plum	S76d	T 2:30 – 3:30 PM	S 9:15 – 10:15 AM
Janice Hector	E25a	M-F 9:30 – 10:20 AM	
Charlie Klein	S76g	M-F 8:30 – 9:20 AM	
- FIND A STUDY PARTNER OR GROUP. Find a partner or group EARLY in the quarter and work consistently throughout the quarter. Working with somebody else helps both students understand the material better. You can work with a study buddy by phone, email or IM if you can't study together in person. You can work together on campus in the tutorial center or in a study room in the learning center.
- CHECK THE COURSE WEBSITE for helpful resources. Your instructor's support materials and links to resources from other instructors are on the website. These include chapter notes, practice problems and answers, lab webpage, calculator instructions, and chapter videos and podcasts. Practice exams and quizzes written by the authors of the textbook will be made available via links on your instructors website; although your exams and quizzes may not look exactly like these practice exams and quizzes, they provide valuable additional practice.
- DON'T WAIT UNTIL YOU ARE DROWNING TO GET HELP. Get help as soon as you have difficulty, while there is still enough time to catch up and improve. Please don't wait until the last 4 weeks of class to seek help. If you have problems, it is better to see me earlier in the quarter while there are still more options available to explore. Don't ask me to drop you after the final drop date deadline.