

Math 10.MP1 CRN 20970	Elementary Statistics & Probability	De Anza College	FALL 2015
10:30 am – 12:20 pm 5 days: MTWThF	Instructor: Roberta Bloom email: bloomroberta@deanza.edu	Office S41A <i>email is preferred</i>	Phone: 408-864-8591
Office Hours: Mon & Wed 3:50-4:15 pm	Tues & Thurs 8:50-9:15 am	Tues & Thurs 1:40-2:30 pm	
Instructor's Websites: https://catalyst.deanza.edu AND http://deanza.edu/faculty/bloomroberta/			

Math Prerequisite: Math 114 Intermediate Algebra with grade of C or better; or equivalent placement

English Advisory: EWRT 211 and READ 211 (or LART 211), or ESL 272 and 273

Although this is a Math course, English reading comprehension and writing are very important in Math 10.

Welcome to Math 10 Statistics! We will learn basic statistical methods that are used in the real world in many ways that affect your daily life, as well as being an important part of many fields of college study and professions.

Math 10 is a demanding, but rewarding class. This class requires daily attendance and 10 hours per week of study each week outside of class. **This is a collaborative class;** you are expected to work with your classmates both in and outside of class (no exceptions).

This class section is a Math Performance Success (MPS) class. It has more class time daily than regular Math 10 classes and has dedicated students support services in counseling and tutorial resources to help students succeed.

Required:

- **Catalyst (free)** online course management system: <https://catalyst.deanza.edu>
- **Course Packets:** purchase these at the bookstore. There will be 2 Packets.
Packet A (\$13.50) covers chapters 1-8 in weeks 1-7 and should be available on the first day of classes.
Packet B covers chapters 9-13 in weeks 8-11 and will be available in the bookstore later in the quarter.
- **Textbook: Collaborative Statistics version 1.39 by Illowsky and Dean, 2011. FREE online at**
 - http://cnx.org/contents/5e0744f9-9e79-4348-9237-ed012213a2d6@40.9:15/Collaborative_Statistics
 - Free download pdf <http://www.deanza.edu/faculty/bloomroberta/CollabStats-pdf-col10522-1.39.pdf> or http://nebula.deanza.edu/~bloom/collabstats/col10522_09152011-v1-39.pdf
 - If you prefer to use a print version of the textbook, see MPS counselor Herminio Hernando about borrowing a copy for the quarter (office at back of Tutorial Center S43 ; 408-864-5856).
- **TI-83+ or TI-84+ calculator** (more info on page 4)

Bring To Class Daily: course packet for the current chapter; textbook; calculator & 4 spare AAA batteries, ruler, small stapler, paper, pencil and eraser, pen

Student Learning Outcomes:

- (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, describe data distributions through study of sampling distributions and probability theory.
- (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.

Course outline - required topics: <http://ecms.deanza.edu/deptoutlinespublic.html>

College Schedule & Deadlines are enforced by the college: Last day to Add: Sat. 10/3

Last day to Drop (no W): Sun. 10/4 Last day to Elect P/NP: Fri.; 10/16 Last day to Withdraw with W: Fri. 11/13

Final Exam: Thursday 12/10: 9:15 – 11:15 am. This is the college mandated official final exam date and time.

Read this entire syllabus to be familiar with the class and policies and grading.

If the syllabus does not answer your question, ask the instructor. Syllabus is posted on online at:

<http://deanza.edu/faculty/bloomroberta> <https://catalyst.deanza.edu> www.deanza.edu/psme

GRADING SUMMARY:

GRADES are based primarily on exams & quizzes	Points	Approx. %
3 Midterm Exams	300	37.5%
Final Exam (mandatory)	150	18.75%
Quizzes <i>best 5 of 6 quizzes</i>	100	12.5%
Chapter Homework	100	12.5%
Other Items: Worksheets / Project / Labs / Assignments not in textbook / Classwork	150	18.75%
Total points	800 points	Total 100%

COURSE GRADES		
Minimum percentage needed to <i>guarantee</i> the indicated grade		
A: 93%	A-: 90%	
B+: 87%	B: 83%	B-: 80%
C+: 76 %	C: 68%	
D: 58%		
F: under 58%		

HOMEWORK: READ THE TEXTBOOK - REVIEW CLASS NOTES - DO ASSIGNED PROBLEMS

Assignments will be posted in Catalyst as we are ready for them; Catalyst will be updated frequently to be current.

The purpose of homework is to help you learn and practice skills and concepts we cover in class.

Do the homework with the goal of understanding to be able to do similar problems on quizzes and exams.

Sometimes you need to struggle though a problem until the concept becomes clear – keep trying!

If you have trouble with a concept or skill, come to office hours or get help from tutors.

- Homework will be collected and graded. You need to show your work as well as write answers; no credit given for answers only. Homework will be collected once or twice weekly depending on the topics; some chapters may be divided into more than one assignment due to chapter length or diversity of topics.
- See "due dates" item on next page. Each student may turn in a HW assignment one day late TWICE during the quarter. Other than this, no late HW will be accepted. Keeping up to date is essential for learning.

QUIZZES: 6 quizzes – 20 points each – best 5 quizzes are counted – total 100 points:

Based closely on homework and classwork. Prepare for quizzes by doing homework and paying attention in class.

- Quizzes provide a way for students to assess understanding before an exam and provide a way for the instructor to assess students' understanding and identify areas of difficulty. Quizzes help motivate students to pace work on a timely basis instead of cramming before exams.
- Grading depends on clarity of work, interpretations, accuracy and completeness of graphs, and explanations as well as numerical answers.
- ONE page of student's own HANDWRITTEN notes permitted, 8.5 by 11 inches, 2 sided. Notes are collected with quiz; you will get them back if you bring a small stapler & staple them to your quiz.
- **NO MAKE-UP QUIZZES.** If you are absent for a quiz for ANY reason, you earn a quiz grade of 0. *One quiz grade of 0 for absence can be dropped as your lowest grade. You are limited to 1 quiz grade drop, so dropping a grade of 0 for quiz absence will mean you can NOT drop some other low quiz grade.*

MIDTERM EXAMS: 3 exams; 3 @ 100 points each - Bring calculator

- Midterm exams will be part written (free response) questions and part multiple choice questions
- ONE page of student's HANDWRITTEN notes permitted, 8.5 by 11 inches, 2 sided. Notes are collected with exam and will be returned with your graded exam if you write your name on it or staple it to your exam.
- If it improves your course grade, your lowest exam grade is replaced by the percentage equivalent grade on the final exam (2/3 of final exam grade), not to exceed 100%.
- **NO MAKE-UP EXAMS.** Absence earns a grade of 0. *One such grade of 0 for absence would be the lowest exam score that gets replaced by the percentage equivalent grade on the final exam; an exam absence would therefore prevent replacement of the grade on another midterm that had a poor grade.*

FINAL EXAM: 2 hours; 150 points; mandatory ; comprehensive: includes ALL material covered during the quarter

No early/late final exams. The college policy is that the final exam must be given at the official time indicated in the college schedule: Thurs. 12/10: 9:15 – 11:15 am. Plan your schedule now to be available for the final exam on that date and time.

2 pages of student's HANDWRITTEN notes permitted, 8.5 by 11 inches, 2-sided.

Notes are collected with the final exam; instructor keeps both the notes and the final exam papers.

Information about grades and exams is continued on the next page

More about QUIZZES & EXAMS:

- **Schedule Changes**, if any, will be announced in class (and posted on Catalyst, if possible). Because students are expected to attend daily, if you are absent for an exam or quiz, the absence policies above apply even if the date of a quiz/ exam was changed.
- **Notes** are permitted for exams and quizzes. But if your notes do not comply with requirements, they will be taken away and you will take the quiz or exam or final with NO notes. Using notes that do not comply with requirements may be considered cheating and is subject to consequences.
- **ESL**: If English is a second language, a print (not electronic) English translation dictionary is allowed for exams/quizzes.

PROJECTS/LABS/WORKSHEETS/OTHER ASSIGNMENTS/CLASSWORK: 150 points of your grade.

These items will be determined during the quarter. Some may be done entirely in class and can occur anytime in the quarter, often without advance notice. Some may be part in class and part at home; some at home only.

- Activities done as part of the day's classwork can not be made up if you are absent.
- If an activity is to be done at home, then it must be turned in on time, at the beginning of class on its due date.
- For an activity started in class but completed at home, if you are absent on the day it is started then you may not be able to join a group that has already started it but may be required to do it on your own.

DUE DATES: Homeworks, projects, labs, worksheets that are completed at home and to be handed in are due in the first 5 minutes of class on the due date. They will not be accepted late. If you arrive late to class on a due date, hand your paper in immediately by quietly placing it on the instructor's desk as soon as you arrive.

STANDARDS OF WORK: College level work is expected ; work is graded for both accuracy and quality of work.

- **Written work must be complete, neat, legible, organized, and in order.** If work is requested, correct answers must be supported by correct work to receive credit; otherwise you may lose credit, even if the final answer is correct.
- **Interpretation is crucial in statistics:** when asked for interpretations, conclusions or explanations, use complete sentences to explain in context of the problem. You can lose credit for incomplete, missing, or incorrect interpretations/explanations. You are expected to learn and use proper statistical wording and form.
- **For papers handed in :** Write full name/class time and staple (no folded corners); otherwise they may not be accepted or you may not receive credit; if pages of unstapled work come apart, it is considered incomplete.
- **Some labs and projects require answers to be typed,** not handwritten. See next page for information about access to on campus computers if you need it to type up your work.

RESPECT OTHER STUDENTS' RIGHT TO LEARN IN AN ENVIRONMENT THAT SUPPORTS LEARNING

- **No private conversations or disruptive behavior in class.** You may talk to your classmates during designated collaborative work times; students talking during lecture times make it difficult for other students to follow and understand. Students disrupting class may be asked to leave the classroom or may be dropped from the class.
- **Turn off & put away cell phones & other devices before class:** if it makes noise or disrupts class, the instructor may ask you to leave. Each time it makes noise during a quiz/exam, points may be deducted from your grade. If it makes noise repeatedly during a quiz/ exam, the instructor may take your paper and ask you to leave.

BE PREPARED: Bring required materials daily and keep up to date to be able to participate in a constructive manner to hands-on class learning activities.

Your preparation affects your and other students' ability to learn in class. Active learning and exploration of ideas are possible when students come to class capable and prepared. If students are unprepared, an activity may fail as a demonstration of the concept it is designed to illustrate, adversely affecting everybody's opportunity to learn.

EDUCATIONAL ACCESS: Please see instructor during office hours to discuss your situation confidentially if you have accommodations; you should see the instructor during the first week of class or as soon as you receive approval from the appropriate support service.

For information about eligibility, support services or accommodations due to physical or learning disability see:

- Disability Support Service (DSS): www.deanza.edu/dss Location: SCS-141 (408) 864-8753; TTY (408) 864-8748
- Educational Diagnostic Center (EDC): www.deanza.edu/edc Location: LCW 110; (408) 864-8839
- Special Education Division:; www.deanza.edu/specialed (408) 864-8407

ACADEMIC INTEGRITY: All students are expected to exercise academic integrity throughout the quarter.

- **Cheating and academic dishonesty are not tolerated and can result in a grade of 0 or F for that quiz/exam/assignment or a grade of F for the course and referral 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, permitting other students to copy from you, plagiarism, submitting work that is not your own, using notes that do not meet permitted specifications, continuing to write/erase on exam/quiz after the permitted time has ended, changing your exam/quiz paper after it has been graded and then requesting a grading correction. Using any electronic device other than your approved calculator on a quiz or exam may be considered cheating. Sharing a calculator with another student for exam/quiz is considered cheating as work may be saved in memory.

ATTENDANCE, DROPS, WITHDRAWALS: Regular attendance is important for success in math class as each day's work builds upon what came before. You are expected to attend all classes, arrive on time & stay for the entire class.

- **All absences and late arrivals are subject to the provisions of the Math Performance Success contract** signed by students in this class; students should refer to that document to understand the responsibilities, requirements, and consequences, which may include being dropped from the class.
- **College Policy: If the student chooses not to complete the class, it is the STUDENT'S RESPONSIBILITY to drop or withdraw by the college deadlines.**
- Parking is difficult. Plan extra time to avoid traffic and parking problems to avoid being late.
- Students are responsible for keeping up and to be aware of schedule changes even when absent. Get classmates' contact information so you can get notes and information. If you are absent, get class notes from a classmate, read the textbook, go to the Tutorial Center to get help to catch up. Come to office hours if you still have specific questions. Check Catalyst to find out about due dates or schedule changes.

CALCULATOR REQUIRED: TI-83+, OR TI-84+ Instructor demonstrates use of only the TI-83 & 84 families of calculators in class; any calculator in the TI-83 or TI-84 families of calculators are OK.

We use them every day in class; they have built-in statistics "apps" to make statistical calculations fast and easier. TI-89 is acceptable but NOT recommended - it is harder to use for this class than TI-83/84. If using TI-89, you must take sole responsibility for getting programs and learning them. Other models or brands may or may not be able to do everything needed and the instructor can not support them in class.

- If your calculator is lost, stolen, broken, etc. it is your responsibility to obtain a calculator to use. Library Reserve (in LCW building) has TI-83/84 calculators for limited loans.
- Cell phones or other devices can **NOT** be used as a calculator on a quiz or exam. Students can **NOT** share calculators for quizzes or exams. The instructor can **NOT** lend her calculator.

COMPUTER ACCESS: Computers with internet access are available for student use in Library West Computer Lab located in the LCW building downstairs <http://www.deanza.edu/library/librarywestcomputer.html> (408-864-8761) The Tutorial Center in room S43 also has some computers available for student use.

- **Catalyst Website:** <https://catalyst.deanza.edu> ; Follow onscreen QUICK LOG IN instructions.
- Only students registered in this class can get into the class Catalyst site. If adding, ADD IMMEDIATELY to get Catalyst access within 24 to 48 hours.
- Need help logging into Catalyst? Use tech help links on Catalyst site for help from their support staff.

Open Website: <http://deanza.edu/faculty/bloomroberta> ; no log-in needed; **students should use Catalyst for complete resources and up to date information.**

CLASS CANCELLATION, EMERGENCY:

If class is canceled for any reason, or if an emergency causes campus to be closed, assume that any quiz, exam or due date scheduled on that date will be rescheduled to our next class meeting. If there are other changes, I will announce them in class after classes resume. Check the website and email; if necessary and if possible, I may post a message.

IF YOU NEED HELP IN THIS MATH 10 CLASS

- **MATH TUTORIAL CENTER (S-43) has FREE TUTORING for MATH 10.**
Options this quarter include MPS dedicated tutoring, Math 10 drop-in tutoring available to all Math 10 students. Ask in the Tutorial Center about the availability of individual weekly tutoring. In class, we'll discuss in more detail the options and availability for tutoring for Math 10 and MPS this quarter and how to access that tutoring.
- **FREE ONLINE TUTORING from SMARTTHINKING.COM** - available in MyPortal
Amount of online tutoring may be limited per student during the quarter.
- **SEE INSTRUCTOR DURING OFFICE HOURS** to ask questions about material you need help with.
- **ASK INSTRUCTOR OR TUTORS** questions during the collaborative work portions of class time.
- **FIND A STUDY PARTNER OR FORM A STUDY GROUP** early. Working with somebody helps you understand material better. Work consistently through the quarter. Collaboration is easy to do: use phone or email or text or chat if you can't study together in person. Find a study partner who is interested in **WORKING WITH** you, not somebody trying to earn their points based on your effort without putting in similar effort themselves.
- **DON'T WAIT UNTIL YOU ARE DROWNING TO GET HELP.**
Get help as soon as you have difficulty, while there is still time to catch up and improve!
Classes taken on the quarter system move quickly; if you wait until you are behind, it will be difficult to catch up.
You probably need this class to transfer. Not doing work and/or not getting help early may endanger your transfer plans. Your transfer plans may be delayed if you don't pass Math 10.
- **PREPARE FOR EXAMS EARLY:** Students who start studying several days early are more likely to succeed on exams. It takes a couple of nights of sleep for material you study to become set in your long-term memory. If you cram the day before, you may "blank out" when trying to answer exam questions, or may not recall it quickly enough to finish in time. Check Catalyst for resources that provide additional practice for exams.
- **CHECK THE WEB for helpful resources.**
 - Course websites contain your instructor's support materials.
 - Video lectures/podcasts by authors Illowsky & Dean:
<http://cnx.org/content/m18746/latest/#videolectures>; or <http://cnx.org/content/col10586/1.2>
Check Catalyst for other possible links to the same videos
 - Video mini-lectures/podcasts by Prof. Larry Green at Lake Tahoe Community College
These mini-lectures are short and each focuses on how to solve a particular type of problem.
<http://www.ltcconline.net/green/courses/201/CamtasiaStatCrunch/index.htm>