

Math 10: MPS Elementary Statistics, Winter 2009

11/30/08

Instructor Diane Mathios	Office S33N	Phone 864-5664	E-mail mathiosdiane@deanza.edu	Office Hours* M – TH 10:30 – 11:20
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*If you cannot meet the me at the time listed, you may make an appointment.

This is a demanding, but rewarding class. It will take a minimum of 10 hours per week of study and group work. This is also a collaborative class. You will be expected to work with your classmates both inside and outside of class (no exceptions).

Textbook: Text: **Collaborative Statistics by Illowsky and Dean**

This text is available for purchase in hard copy at the De Anza College Bookstore or for free downloading at: <http://cnx.org>. 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.) **At a minimum, students must print out the class Laboratories indicated on the calendar.**

Related Materials: TI84 or TI-83 PLUS graphing calculator; **small stapler.**

Instructor Web site: <http://faculty.deanza.fhda.edu/mathiosdiane/>

Quizzes: Quizzes are closed book and with one page of handwritten notes (both sides) allowed. 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 grade will be dropped. No make-ups are given.**

Labs: Lab assignments make use of the calculator. You will **not** be able to complete most labs in class. **If you are absent the day that the lab data is collected and worked on in class, you will receive a 0 for that lab. Make sure you bring a copy of the lab to class on lab days (see calendar). No make-ups or late papers will be accepted. You may turn in labs early. NO labs will be dropped.**

Homework: The purpose of homework is to help you learn the material in the course. Do the chapter "Practice" before attempting the homework. The answers are in the back of the book. Then, do the problems in the text and check those answers in the back of the text. You must show your work for all HW problems. No credit will be given for answers only. **Your lowest HW score will be dropped. No late HW will be accepted. You must do HW even when it is not collected.**

Exams: 3 exams will be given. **No make-ups are given.** Exams are closed book. Students may bring to the exam one 8 ½" x 11" page (both sides) of **handwritten** notes, a calculator, and, if English is a second language, an English translation dictionary.

Final Exam: A two-hour comprehensive exam will be given. If you miss the exam without contacting me, you will receive an F for the course. Students may bring 2 pages (both sides) of handwritten notes to the final. **Finals must be taken at scheduled time during finals week**

Attendance: You are expected to attend all classes and be punctual. Tardies of 10 minutes or more count as half an absence. If you accumulate the equivalent of **5 absences**, whatever the reason, you may be dropped from the course. Please call and leave a message if you are going to be absent. However, **it is your responsibility to drop the course**, if necessary.

Projects: There are 3 projects. Projects are done in groups and make use of data collected by the group. **No make-ups or late papers will be accepted. You may turn in projects early.**

Labs, homework and projects are due by the start of class (within first 5 minutes) on the due date. They may be turned in earlier, but THEY WILL NOT BE ACCEPTED LATE.

Grade:	Exams (3@ 100)	300 pts.	A:	90 -100%
	Quizzes (8@ 20)	120 pts. (lowest 2 dropped)	B:	78 - 89%
	Labs (5@ 25)	125 pts.	C:	66 - 77%
	Final Exam	100 pts.	D:	55 - 65%
	Projects (3@ 50)	150 pts.	F:	0 – 54%
	Homework (11@ 10)	100 pts. (lowest 1 dropped)		

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.

Practices & Homework

Practices pages

Ch 1: 28 - 29
Ch 2: 67 - 70
Ch 12: 404 - 405
Ch 3: 101 - 102
Ch 4: 131 – 133(Practices 1 – 3)136 - 140: 1 – 13 odds, 23, 27a-f
Ch 5: 168 - 171 (Practices 1 – 2)
Ch 6: 193
Ch 7: 216 – 217 (Parts I, II #1, 2, 3, III)
Ch 8: 251 – 256 (Practices 1 – 3)
Ch 9: 294 - 299 (Practices 1 – 3)
Ch 10: 331 – 334 (Practices 1 – 2)
Ch 11: 367 – 370 (Practices 1 – 2)

Homework pages & problems

30 - 32: 1,3,4-7all,9,13,16
71 - 78: 1, 5,7,9,13,15,21,23
406 - 412: 1, 3, 5, 9, 13, 15
103 - 107: 1, 3, 5 – 13 odds, 15a-f,19, 20, 21, 23
172 - 174: 1 – 13 odds
194 - 195: 1 – 9 odds, 8
218 - 221: 1a – f, 3, 5, 9, 13abcghij, 16
257 - 262: 1, 5, 9, 13, 15, 17, 21, 23
300 - 305: 1, 2bcegj, 5 – 13 odds, 19, 25
335 – 338: 1 – 9 odd, 11, 15, 17, 19, 23, 25
372 - 375: 3, 5, 7, 9, 13, 15

Topics to Skip

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

Miscellaneous:

- **Bring your Text and your calculator to class every day. Bring a copy of the appropriate Lab (see calendar) on Lab days.**
- **Take-home papers that are to be turned in for grading must be STAPLED (no doggy-ears or paper clips) before class.** All papers turned in must be NEAT.
- **Cell phones & pagers must be turned off or to vibrate mode**
- Students are encouraged to form study groups.
- Graphs should be constructed with a ruler OR done by computer.
- Your grade is based on points and not a “curve.”
- We expect you to answer word problems and questions with complete English sentences