

Math 10: Elementary Statistics, Winter 2009

Instructor	Office	Phone	Email	Office Hours
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READ THROUGH THE ENTIRE GREENSHEET SO THAT YOU ARE FAMILIAR WITH THE CLASS.

This is a demanding, but rewarding class. If you cannot commit to a minimum of 10 hours per week of study and group work, then you should take this class in a quarter when you have time to learn. This is a collaborative class. You will be expected to work with your classmates both inside and outside of class (no exceptions).

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 (white cover only, ISBN: 0978745000) by Illowsky and Dean

Related Materials: TI-83 PLUS or TI-84 graphing calculator preferred (TI-86 is acceptable); small stapler; small pencil sharpener; small ruler. You can rent TI-83 PLUS CALCULATORS at myti83.com for \$9 per month.

TI Calculator Instructions: <http://www.ti.com/calc>, <http://myti83.com>, and Susan Dean's website: <http://faculty.deanza.fhda.edu/deansusan> (left menu)

Email: Email is one of the best ways to contact your instructor.

Quizzes: Quizzes are closed book and with one page of 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. The 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. No make-ups or late papers will be accepted. You may turn in labs early. One 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 book. Then, do the problems in the text and check those answers in the back of the text. The problems are listed in this syllabus. You are required to do homework but it is not collected.

Exams: 3 exams will be given. Each exam is multiple choice. 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 1/2" 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. 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. Finals must be taken at scheduled time during finals week – see Schedule of Classes.

Attendance: You are expected to attend all classes (Please call and leave a message or email me if you are going to be absent). If you miss fine (5) 50 min. (1 week) classes or the equivalent (250 minutes), you must drop the course. It is your responsibility to drop the course (see last page for procedure), if necessary. Please inform me by email if you do. **YOU MUST BE IN CLASS EVERY DAY THE CLASS MEETS THE FIRST TWO WEEKS OF CLASS OR YOU WILL BE DROPPED.**

Grade:			Lowest points (out of 650) for:		
			A:	B:	C:
	Exams (3@ 100)	300 pts. ***	611	585	
	Quizzes (6@ 20)	100 pts. (lowest one dropped)	559	527	507
	Labs (6@ 30)	150 pts. (lowest one dropped)	481	429	
	Final Exam	100 pts.	410	371	358
			F: 0		

Adds: If you try to add the class, make sure that you have Intermediate Algebra cleared. Do not assume that it is until you check for certain on your "My De Anza" registration system or you passed Math 105 or Math 114 (C or better) or the placement exam at De Anza. I will not wait for waivers to be cleared, late placement testing, late transcript delivery, etc. **THERE ARE NO LATE ADDS.**

(White cover) Collaborative Statistics

Practices & Homework

Chap. Practice pages

1	28 – 29
2	67-70
12	404 – 405
3	101 – 102
4	131 – 133
5	168 – 171
6	193
7	216 – 217; I, (1, 2) II (1, 2, 3), III
8	251 – 256
9	294 – 299
10	331 – 334
11	367 – 370

Homework pages & problems

30 – 34:	1 – 17 odds, 19 – 27
71 – 80:	1 – 23 odds, 24 – 30
406 – 414:	1, 3, 5, 9, 13, 15 (a – f, only for 15), 21 – 25
103 – 109:	1 – 15 odds, 19, 20, 21, 23, 27, 28 – 32
136 – 141:	1 – 17 odds, 23, 33 – 37
172 – 175:	1 – 13 odds, 15 – 20
194 – 197:	1 – 11 odds, 8, 10, 12 – 19
218 – 222:	1a – f, 3, 5, 9, 10, 11a – d,f,k, 13abcghij, 16, 17, 19 - 23
257 – 263:	1, 5, 9, 13, 15, 17, 21, 23, 24 – 31
300 – 309:	1 – 15 odds, 19, 21, 25, 29, 31, 33, 34 – 44
335 – 342:	1 – 10, 11, 13, 15, 17, 19, 23, 25, 31, 39 – 52
372 – 376:	3, 5, 7, 9, 13, 15, 24 – 37

Reviews (from the Text) for Exams 1 - 3 and for the Final Exam (do all problems listed below for the final)

<p>Exam 1: Ch 1, 2, 12 p. 109: 1 - 8 p. 142 – 143: 3, 6, 7, 8, 15, 16 p. 176 – 177: 10, 11, 12, 13, 14 p. 197: 3 p. 264: 13, 14 p. 309 – 310: 1, 2, 3 – 8, 12 - 13 p. 376: 20, 21 p. 408 – 413: 7, 17, 19 Multiple choice questions at the end of each chapter's regular homework.</p>	<p>Exam 2: Ch 3, 4, 5, 6 p. 141 – 143: 1, 2, 4, 5, 10, 11-14 p. 175 – 177: 1, 3, 4, 5, 6, 7, 8, 9, 15-17 p. 197: 1 – 4, 5, 6 p. 222 – 223: 1 – 8 p. 263 – 264: 1 – 5, 8 – 17 p. 309 – 310: 15, 17 p. 342 – 343: 1 – 3; 10,11 p. 377 – 378: 3, 4, 5, 15, 16 - 18 p. 435 – 436: 1, 2, 8, 10, 19 Multiple choice questions at the end of each chapter's regular homework.</p>
<p>Exam 3: Ch 7, 8, 9, 10 p. 263: 1 - 3 p. 310: 16 p. 343: 5, 7 – 9 p. 376 – 379: 1 – 6, 9 – 12, 22 – 26 p. 436: 12 – 15 Multiple choice questions at the end of each chapter's regular homework.</p>	<p>Final Exam: Practice finals on pages 439 – 451 Multiple choice questions at the end of each chapter's regular homework.</p>

Open Source (Blue cover) Collaborative Statistics

Practices & Homework

Chap.	Practice pages
1	25
2	65, 68
12	497, 500
3	110
4	150, 151, 153
5	197, 200
6	225
7	254
8	289, 291, 293
9	341, 343, 345
10	387, 389
11	431, 433

Homework Problems

1 – 17 odds, 19 – 27
1 – 23 odds, 24 – 30
1, 3, 5, 9, 13, 15 (a – f), 21 – 25
1 – 15 odds, 19, 20, 21, 23, 27, 28 – 30
1 – 17 odds, 23, 33 – 37
1 – 13 odds, 15 – 20
1 – 11 odds, 8, 10, 12 – 19
1(a – f), 3, 5, 9, 10, 11(a – d,f,k) 13abcghij, 16, 17, 19 - 23
1, 5, 9, 13, 15, 17, 21, 23, 24 – 31
1 – 15 odds, 19, 21, 25, 29, 31, 33, 34 – 44
1 – 10, 11, 13, 15, 17, 19, 23, 25, 31, 39 – 52
3, 5, 7, 9(gof), 13, 15(toi), 17, 19, 23 – 37

Reviews (from the Text) for Exams 1 - 3 and for the Final Exam (do all problems listed below for the final)

Exam 1: Ch 1, 2, 12 p. 121: 1 - 8 p. 165: 3, 6, 7, 8, 15, 16 p. 207: 10, 11, 12, 13, 14 p. 232: 3 p. 304: 13, 14 p. 359: 10: 1, 2, 3 – 8, 12 - 13 p. 443: 20, 21 p. 486: 7, 17, 19 Multiple choice questions at the end of each chapter's regular homework.	Exam 2: Ch 3, 4, 5, 6 p. 165: 1, 2, 4, 5, 10, 11-14 p. 207: 1, 3, 4, 5, 6, 7, 8, 9, 15-17 p. 232: 1 – 4, 5, 6 p. 263: 1 – 8 p. 304: 1 – 5, 8 – 17 p. 359: 15, 17 p. 401: 1 – 3; 10,11 p. 443: 3, 4, 5, 15, 16 - 18 p. 523: 1, 2, 8, 10, 19 Multiple choice questions at the end of each chapter's regular homework.
Exam 3: Ch 7, 8, 9, 10 p. 304: 1 - 3 p. 359: 16 p. 401: 5, 7 – 9 p. 443: 1 – 6, 9 – 12, 22 – 26 p. 523: 12 – 15 Multiple choice questions at the end of each chapter's regular homework.	Final Exam: Practice finals on pages 531 – 548 Multiple choice questions at the end of each chapter's regular homework.

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

Miscellaneous

Bring your book and calculator to class every day.

Chapter videos and podcasts to download are available on Barbara Illowsky's web site: <http://faculty.deanza.edu/illowskybarbara/>

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) 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, 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.

Labs are due by the start of class on the due date. They may be turned in earlier, but **THEY WILL NOT BE ACCEPTED LATE**. Graphs should be constructed with a ruler OR done by computer. Always label and scale the axes.

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 pay the consequences. That includes 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.

After the last day to drop with a "W": if a student tells the Admissions and Records clerk that they never attended a class, they will be given a Blue Addendum Form and directed to contact the instructor for that class. (If students attended even one class, they must follow the process above or the process below, whichever applies.)

After the last day to drop with a "W": if student wish to drop and have attended a class or missed the Withdraw date, they are given a Petition to the Academic Council to complete. It is up to the instructor to drop or not drop the student.