MATH 10 Elementry Statitics and Probability   Instructor: Rebecca Fouquette
Spring 2015   Office: S75B
Room: MLC 112   email: fouquetterebecca@fhda.edu
12:30pm-1:20pm
Text: Introductory Statistics   Phone: 408-864-5522
By Illowsky and Dean   1st ed.   Office Hours: Monday 2:30-3:20
Prerequisite: MATH 114 or equivalent with C or better   Tuesday 11:30-12:20
Advisory: EWRT 211 or ESL 272 and 273   Wednesday 1:30-2:20
    Thursday 11:30-12:20
    Friday None
    Additional hours by appointment

Webpage: nebula2.deanza.edu/~rfouquette/10/index.html

Student Learning Outcomes

Upon completion of this course, students will be able to:

Student Learning Outcome (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.

Student Learning Outcome (2): Identify, evaluate, interpret and describe data distributions through the study of sampling distributions and probability theory.

Student Learning Outcome (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.

Student Responsibilities

All students are required to follow the student conduct guidelines as defined by the college. This includes respecting others, doing your own work and attending class. If there is an egregious diversion from these guidelines, disciplinary actions will be taken. Any signs of cheating on a test or quiz will result in a score of zero on that assignment with no opportunity to retake.

Attendance

You are expected to attend all classes, arrive on time and stay for the entire class. Regular attendance is essential for success in math class. Late arrival or early departures are disruptive. You may be dropped by the instructor if you miss two consecutive classes in the first two weeks. The instructor reserves the right to drop/withdraw students who are absent, late, or leave early (or any combination) more **than 4 times during the quarter**. However the instructor may or may not perform such a drop/withdrawal. Take responsibility to do it yourself if you need to drop or withdraw. If you stop attending but do not withdraw, you may fail with a grade of F. Check the college schedule to confirm deadlines.

Accommodations for Students with Disabilities

If you need disability related accommodations for this class, such as a note taker, test taking services, special furniture, use of a service animal, etc., please contact the Disability Suppot and Sercices Department (SCS 41 408-864-8753) as soon as possible. You are also encouraged to speak with me privately during office hours about your accommodations. All exams scheduled out of the classroom must be scheduled for a time period that at least overlaps class hours. Exams will not be authorized for vastly different time periods.

Emergency Evacuation Plan

In the event of an emergency during class that requires evacuation of the building, leave the class immediately, but calmly. Our class will meet on the lawn in the S quad to make sure everyone got out of the building safely and to receive further instructions. If you are a student with a disability who may need assistance in an evacuation, please see me as soon as possible to discuss an evacuation plan. In the event of an earthquake, take cover under your desk making sure your head is protected as best as possible. As soon as it is safe, evacuate the building to the S quad. In the event of any local emergency not requiring evacuation, call 911 immediately.

Cell Phone Policy

Cell phones should be turned off or to silent during class and put away at all times. This will help foster a good working environment for all in class. There is a **zero tolerance** cell phone policy in this class. If you have a cell phone or smartphone or other similar device out during class for any reason, you may be asked to leave class and marked absent for the rest of the day. Laptops are permitted for *note-taking only*. If you are using the laptop for ANY other purpose, you will be asked to leave class just as if you had been using a cell phone. There are only two exceptions:
1. If your cell phone is in your bag and ringing, you may pull it out ONLY to turn it off!
2. If you have circumstances that require you to have a phone turned on and with you (for example, if you are an on-call caretaker or firefighter), please come see me privately and you will be excused from this policy.
Texting is also not allowed during class. Cell phones are not to be used as calculators. A calculator is required for this course. Cell phones are to be put away during tests and quizzes. Any visible cell phone during a test or quiz will result in a zero for that assignment, which **cannot** be made up.

Discipline Policy

You have a right to a good learning experience. To help ensure this, all students are expected to follow FHDACCD Student Rights and Responsibilities policy (AP 5500), the Mutual Respect poicy (AP 4110), and the Discriination and Harssment policy (AP 4640) as outlined in the student handbook. These policies can be found at http://www.deanza.edu/studenthandbook/index.html.

If you feel that another student is disrupting your learning environment, please see me in office hours so the situation can be resolved.   This includes talking excessively to the point of disrupting the learning environment of others, inappropriate behavior to students and/or instructor, etc. Any student violating this code can be asked to leave class and/or suspended from class for up to 2 days.
              Please see me in my office if you have any concerns about the class.

Absences

In the event of your absence, you are encouraged to contact me via email or phone. I will respond with what was covered in class and any work assigned. If your absence occurs on a test or quiz day, the test or quiz cannot be made up. There are no retakes.

In the event of my absence, all due dates are shifted to the next class meeting. If my absence occurs on the day before an exam, I will postpone the exam two classes so you have a chance to ask questions. If my absence occurs on an exam day, the exam will occur at the next class meeting of the same time length.

Calculator Use

A graphing calculator will be required for this course. Most test and quiz problems will require a calculator. A TI-83 or TI-84 is recommended. Calculators should be brought to class every day. If you need help using your calculator, please see me in office hours. Calculators may never be shared between students for all exams. For all exams, the case for your calculator must be taken off and put away.

Contact

You are welcome to contact me by either phone, email or coming in to my office anytime I am not teaching. I respond fastest through email. I will respond to all email received by 8pm every night. When emailing a question, please reference the chapter and problem number as well as what you have tried on the problem. Unless you request otherwise, I will send my response out to the whole class, without your name, to help other students who may be having the same issue.

Other Classroom Policies

No food is allowed in the classroom. Bottled drinks are acceptable. You should clean up after yourself.

Restroom visits and other reasons for leaving the classroom during exams and quizzes are not allowed. Arrangements for special cases, such as medical reasons, must be discussed with the instructor before an exam or quiz starts.

Print translators are allowed on exams. Electronic dictionaries are not allowed.

Homework

Homework will be assigned when a chapter is finished in class. Each chapter will have its own due date approximately two days after it is assigned. To be considered on time, homework must be submitted by the beginning of class. Homework can be submitted by the end of class for a 1-point deduction. Late homework will be accepted for a maximum of half credit. All late work must be submitted by the last day of classes. If all homeworks are submitted, the lowest homework score will be dropped.

Every homework packet will be worth 5 points total. When homework is collected it will be graded with 1 point for completion and 4 points for correctness.

Homework should be easily readable. All homework must follow the discussed homework format. Failure to follow this format will result in a loss of completion points.

Homework Questions

At the beginning of each class, homework problems may be answered. If you have a question, write the problem number in the designated area. If your problem is already on the board, write a check next to the problem. Only problems with 2 or more checks will be considered for discussion in class. No more than 10 minutes at the beginning of class will be spent on homework questions. More questions can be answered at the end of class, as time permits.

If your question is not answered, you are welcome to turn in your work after asking your question at the end of class for a one-point deduction.

Homework Format
1. Assignments should be easily readable. If work is done in pen, you MUST DO IT NEATLY. I will not struggle to read your work or follow your thinking; instead *you will redo your work!*
2. Homework should be done in a row format, one, two or three-column format. DO NOT SWITCH FORMATS ON ONE PAGE.
3. After each problem, a horizontal line should be drawn. If you are using a column format, draw vertical lines to show the columns. DO NOT separate parts of the same problem. ie 1a, 1b, 1c etc.
4. If the solution to the problem is numerical, the solution to each problem should be boxed. If the solution to the problem is an interpretation, it should occur after the supporting calculations. Any sentence answer MUST BE A COMPLETE SENTENCE!
5. Packets should be stapled in the upper left corner.
6. Print outs from the online text will not be accepted.
7. ALL NUMERICAL ANSWERS should in decimal form **rounded to 3** places, as necessary. If the solution is less than 3 places as in ½ = 0.5, additional zeros are not needed. If the solution is more than 3 places as in 1/3 = 0.333, 3 places are required.

Guided Notes and Reviews
For this course, you must have access to the course reader. You can either download and print it from our course webpage or purchase it from the bookstore. During class you should be using this reader to take notes. There may be times when you are required to complete problems from the reader and turn in a page the following class. In addition, the reader also includes chapter reviews that may be assigned and collected.

Entrance Cards
At the beginning of most classes, an entrance question will be posted. This question will relate to the material covered in class the previous day. This question should be answered and submitted within the first 5-10 minutes of class. This question can be free response, true/false or multiple choice. Each question will be worth 1-3 points. If you arrive late, you will not be given extra time or the chance to make up this assignment. If all entrance cards are submitted for the week, you will be given a 10% bonus to your score for the week.

Exit Cards
Through out the quarter, you may be assigned an exit card. Exit cards will be completed IN CLASS and submitted before leaving. You may be asked to submit your work for an individual score or a selected group member's work for a group score.

Project
There will be one quarter long project for this course. Work for this project will be submitted in stages throughout the quarter. Any part of this projected can be submitted up to one week late for half credit. Each member of your project group should be prepared, if necessary, to turn in a completed group report when due. Do not rely only on one member to turn in the group report. Extensions will not be granted.

You will be put into a group based on the the first stage of the project and will remain in that group for the quarter. This project will require working with your group outside of class to collect and analyze data to answer a statistical question that your group picks. The final project will be due on our last day of class June 22, no late submissions allowed.

Labs
Lab assignments will be given through out the quarter, which will be assigned to a group. Each group will turn in one assignment and the score will be assessed on the submitted work. Lab evaluations will be collected where group members will grade and give feedback on the group member's contributions. The average grade on these evaluations will account for 5 points of the lab score. Late labs must be submitted <u>no later than one week</u> after their assigned due date for a maximum of half credit. Each member of a lab group should be prepared, if necessary, to turn in a completed group lab report when due. Do not rely only on one member to turn in the group lab report. Extensions will not be granted.

Exams
We will have an exam at the end of each even week (2, 4, 8, 10) covering the previous two week's worth of materials. You will have a choice between creating your own note card for each exam or using a formula sheet provided by me. You choice must be made at the beginning of the exam and cannot be changed once the exam starts. The allowed note card is one 3" x 5" note card, two-sided, no examples. Note cards must be hand written not photocopied. Note cards must be turned in with the exam. A calculator will be allowed. **No late exams will be given but one will be dropped.**

Midterm Exam
We will have one midterm exam that will be cumulative at the end of week 6. This exam will cover all the material from weeks 1-5. You will have a choice between creating your own note card for this exam or using a formula sheet provided by me. You choice must be made at the beginning of the exam and cannot be changed once the exam starts. The allowed note card is one 5" x 6" note card, two-sided, no examples or two 3"x5" note cards two-sided, no examples. Note cards must be hand written not photocopied. Note cards must be turned in with the exam. A calculator will be allowed. **No late exams will be given**.

Final Exam
The final exam will be cumulative and occur Tuesday June 23 11:30am – 1:30pm. You will be allowed one 8.5"x11" note sheet, one sided or the formula sheet and one 3"x5" note card one sided.

Because the final is cumulative, you can replace your midterm exam grade with your final percentage, even if it is a zero.

Grading Policy	
Classwork	10%
Labs/Project	15%
Homework (13)	15%
Exams (4, with one dropped)	30% (10% each)
Midterm Exam (1)	15%
Final Exam (1)	15%

Grade Calculations
Your grade is based on a weighted average. This means that you cannot add up all the points your earn to find your grade. To get your grade in the class, you must add up your points for each category and multiply that score by the weight as described above.

EXAMPLE: Labs: 35/50   Homework: 89/100   1 Exam: 65/90 Midterm: 45/50

$$\text{Grade} = \frac{15(35/50) + 15(89/100) + 10(65/90) + 15(45/50)}{15 + 15 + 10 + 15}$$

<= weighted scores
<= total weight

At the end of the quarter, I will calculate two grades; one where your midterm exam is dropped and your final is worth 30% of your grade and one where no exam is dropped. I will keep the grade that is more helpful to you.

Grading Scale

A+	100% - 98%	B-	82.9% - 80%
A	97.9% - 93%	C+	79.9% - 77%
A-	92.9% - 90%	C	76.9% - 65%
B+	89.9% - 87%	D	64.9% - 55%
B	86.9% - 83%	F	54.9% and below

Because I accept late homework and reviews, drop an exam and can replace your midterm exam grade with the final, I do not curve final grades. The above percentages are absolute.

Tips for Success
Pre-Read: You should read the section(s) that are to be covered in the next class before class so you have an idea about what we will cover. This allows you to focus more on the details of what is being presented. While reading, you should write down questions that you think of and bring them to class to make sure they get answered. The course schedule can be found by clicking on the schedule like at the top of your course's homepage.
Homework: After class, you should complete about half of the assigned work within 24 hours. This helps check to make sure that you understood what was taught and helps your brain store the information in long term memory. You should complete the remaining half of your homework within two to three days, this means you can complete it over the weekend.
**Don't wait until Sunday to do all your work!!
Office Hours: Come in to office hours!! If my posted hours don't work for you, let me know and we will work out another time to meet.
Tutorial: We have tutorial centers at De Anza. Take advantage of the free help!
Study groups: Get into a study group. No only do you remember something better if you explain it to someone else, but a study group also allows you to do homework without being alone. When you get frustrated there is someone to help or someone to tell encourage you to ask the question in class.
Stay on top of your work: Don't fall behind if you can help it. Look at the schedule on the homepage and match it to your personal schedule. Be aware of when exams are or when we are having heavy homework weeks so you can be prepared.
Study!: De Anza recommends you study 2 hours per unit per week. This is a five unit course, so that is 10 hours for this course of studying outside of class. By following the above tips you will see where the time goes!

Dates to Remember

Last day to drop with a refund: April 19
Last day to add: April 18
Last day to opt for P/NP: May 1
No Class: May 25
Last day to drop with a "W":   May 29

Final exam: Tues. June 23 11:30-1:30