

De Anza College  
Math 10 - Introduction to Statistics

Instructor: Danny Tran                      Email: trandanny@deanza.edu

Class:                      Mon-Fri 8:30am - 9:20am (S16) (Section 2)  
                                 Mon-Fri 10:30am - 11:20am (S46) (Section 9)

Office Hours:            Tue 1:30pm-2:50pm (E32A); Wed 3:55pm-5:15pm (S43) , Thur 1:30pm-2:50pm (S43)

Prerequisite:            Passing grade (C or better) in Intermediate Algebra or placement exam; Advisory: English Writing 100 & Reading 100 (or Language Arts 100), or English as a Second Language equivalent courses.

Student Learning Outcomes (what you should be able to demonstrate by the end of the course):

1. Organize, analyze, & utilize appropriate methods to draw conclusions based on sample data by constructing and/or evaluating tables, graphs, & numerical measures of characteristics of data.
2. Identify, evaluate, interpret, & describe data distributions through the study of sampling distributions & probability theory.
3. Collect data, interpret, compose, & defend conjectures, & communicate the results of random data using statistical analyses such as interval & point estimates, hypothesis tests, & regression analysis.

Book:                      *Introductory Statistics* by Illowsky, Barbara & Dean, Susan

Related Materials:      TI-83 PLUS, TI-84, or TI-84 PLUS graphing calculator is REQUIRED in class everyday.

Attendance:              Mathematics is a very demanding subject. As a result, regular (on time) attendance is extremely important. However, I realize that, on rare occasions, unforeseen circumstances may arise that will prevent you from attending class or will force you to be late to class. If you are late or absent, you are responsible for obtaining any missed information. ***Also, you MUST be in attendance during the entire first week of classes to ensure that you are not dropped from the course.***

|          |                                    |     |
|----------|------------------------------------|-----|
| Grading: | Group Quizzes - Drop lowest g quiz | 15% |
|          | Homework - Drop lowest chapter     | 11% |
|          | Statistics Labs (2)                | 6%  |
|          | Group Term Project                 | 8%  |
|          | Exams (3)                          | 36% |
|          | Final Exam                         | 24% |

WebAssign:              This is the online program we will be using to complete homework assignments. It will cost approximately \$32 for online use this quarter. If you opt not to pay for WebAssign and decide not to do the online homework, your 12% HW portion will be added to your final exam. If you have any questions about HW, feel free to come to office hours or email me at trandanny@deanza.edu. (Do not send questions to me through WebAssign.)

- 1 - Go to <http://www.webassign.net>
- 2 - Click on "I Have A Class Key"
- 3 - Enter:            **deanza 7044 5865 (Section 2 - 8:30am class)**  
                         **deanza 4479 0537 (Section 9 - 10:30am class)**

**Checking Your Grade:** Using Google Drive, you will have access to your current grade. Simply email me at [trandanny@deanza.edu](mailto:trandanny@deanza.edu) with your Gmail address & a code name you would like to be identified as on the document. (The code name can be anything that does not reveal your true identity - it can be anything from your favorite computer gaming champion to your favorite European football team). I will then invite you to the document where you can see your grade on each of the class' assessments as well as what you need to earn during the remainder of the course in order to earn an A, B, or C in the course.

**Class Conduct:** Cheating is absolutely forbidden in my class. Looking at someone else's exam, helping another student during an exam, talking to anyone else except me during an exam, copying another student's work, or using an external source of information for which you were not explicitly given permission will result in disciplinary action. This disciplinary action might include anything from receiving 0 points on the exam to an F in the class. Cheating incidents will be reported to the Dean of Student Affairs. Also, I expect you to be respectful of your fellow students and of me. To that end, come to class on time, do not leave early unless you have that approved by me in advance, do not talk during class unless otherwise given permission, do not be disruptive, and pay attention during class.

**Cell Phones:** I realize that many of you feel the need to stay connected at all times. If you feel that you cannot turn off your cell phone during class, at the very least place your phone on vibrate and/or silent mode. If you receive a call, quietly step outside the classroom before answering the phone. Also, please do not text, at all, during class. Otherwise, you will be asked to leave.

**Group Quizzes:** There will be weekly group quizzes, beginning week 2 of the quarter. They will last 50 minutes. You are allowed to work with up to 2 other people during the group quiz. You must submit your own quiz. You are only allowed to use a pencil / pen, eraser, & graphing calculator. You may not make up a quiz after it has been administered, but you may take a quiz early if allowed by the instructor. You may drop your lowest quiz; however, you may not drop a quiz in which you are caught cheating.

**Exams:** There will be 3 midterm examinations (11% each). They will last 50 minutes. You are only allowed to use a pencil / pen, eraser, note card (given to you by me) & graphing calculator. For the final exam, you will be allowed to use a pencil / pen, eraser, graphing calculator, and a 2-sided 8.5 inch x 11 inch sheet of notes (must be hand written). You may not make up an exam after it has been administered, but you may take an exam early if allowed by the instructor.

**Final Exam Date:** Wed, Mar 25<sup>th</sup> 7:00am - 9:00am (Section 2)  
Fri, Mar 27<sup>th</sup> 9:15am - 11:15am (Section 9)  
(You **MUST** be able to take the final on this day & at this time. NO exceptions)

Also, to best prepare yourself, organizationally, for the course, I strongly recommend that you purchase and bring to class each day:

- 1 - A 3-ring binder
- 2 - 4 dividers (title them: lecture notes, handouts, quizzes & exams, miscellaneous)
- 3 - A notebook or loose-leaf paper to take notes in.

Get to Know your classmates:

Obtain the following information from at least 3 of your classmates:

Classmate 1:

Classmate 2:

Name:

Name:

Email:

Email:

Telephone #:

Telephone #:

Classmate 3:

Name:

Email:

Telephone #:

My Expectations: Math 10 is an incredibly challenging course, so make sure you put yourself in the best situation to succeed by having terrific study habits. It is strongly recommended that you spend AT LEAST 6-9 hours / week, outside of class, studying for the course. Below is a list of tasks you can do in order to best succeed in this course:

- ✓ Attend every class
  - Arrive early and review your lecture notes before class begins
  - Take notes & ask questions
  - Work with students during the worksheet portion of class
- ✓ Preview each lesson by skimming the lesson for 10-15 min before class meets
- ✓ Review your notes immediately after class, making sure you have understood the material
- ✓ Attend office hours
  - Compile a list of questions and/or problems to ask for help
- ✓ Form study groups to do homework, study for quizzes, exams, & the final

Grades: Here is what you need in order to obtain the grade you want:

|    |                      |    |                      |
|----|----------------------|----|----------------------|
| A+ | $98\% \leq x$        | B+ | $88\% \leq x < 90\%$ |
| A  | $92\% \leq x < 98\%$ | B  | $82\% \leq x < 88\%$ |
| A- | $90\% \leq x < 92\%$ | B- | $80\% \leq x < 82\%$ |
| C+ | $78\% \leq x < 80\%$ | D  | $60\% \leq x < 70\%$ |
| C  | $70\% \leq x < 78\%$ | F  | $x < 60\%$           |

Math 10 Course Schedule Winter '15 (Tentative Schedule)

|                                       |                  |                           |                        |                                       |
|---------------------------------------|------------------|---------------------------|------------------------|---------------------------------------|
| 1.5<br>Intro                          | 1.6<br>Ch 1      | 1.7<br>Ch 1               | 1.8<br>Ch 2            | 1.9<br>Ch 2                           |
| 1.12<br>Ch 3                          | 1.13<br>Ch 3     | 1.14<br>Ch 3              | 1.15<br>Quiz #1 Review | 1.16<br>Quiz #1                       |
| 1.19<br>MLK Jr. Day<br>(No Class)     | 1.20<br>Ch 3     | 1.21<br>Ch 4              | 1.22<br>Quiz #2 Review | 1.23<br>Quiz #2                       |
| 1.26<br>Ch 4                          | 1.27<br>Ch 4     | 1.28<br>Ch 4              | 1.29<br>MT #1 Review   | 1.30<br>MT #1                         |
| 2.2<br>Ch 5 / 6                       | 2.3<br>Ch 6      | 2.4<br>Ch 7               | 2.5<br>Quiz #3 Review  | 2.6<br>Quiz #3                        |
| 2.9<br>Ch 7                           | 2.10<br>Ch 8     | 2.11<br>Quiz #4 Review    | 2.12<br>Quiz #4        | 2.13<br>Presidents' Day<br>(No Class) |
| 2.16<br>Presidents' Day<br>(No Class) | 2.17<br>Ch 8     | 2.18<br>Ch 8              | 2.19<br>MT #2 Review   | 2.20<br>MT #2                         |
| 2.23<br>Ch 9                          | 2.24<br>Ch 9     | 2.25<br>Ch 9              | 2.26<br>Quiz #5 Review | 2.27<br>Quiz #5                       |
| 3.2<br>Ch 10                          | 3.3<br>Ch 10     | 3.4<br>Ch 11              | 3.5<br>Quiz #6 Review  | 3.6<br>Quiz #6                        |
| 3.9<br>Ch 11                          | 3.10<br>Ch 12    | 3.11<br>Ch 12             | 3.12<br>MT #3 Review   | 3.13<br>MT #3                         |
| 3.16<br>Ch 13                         | 3.17<br>Ch 13    | 3.18<br>Project Day       | 3.19<br>Project Day    | 3.20<br>Final Review                  |
| 3.23<br>Final Review                  | 3.24<br>No class | 3.25<br>Final (Section 2) | 3.26<br>No class       | 3.27<br>Final (Section 9)             |

Notes:

- Dates for the final examination are set by college policy & cannot be changed. If you cannot take the final on the date given, do not enroll in the course. [Make sure you book flights home for break after finals week.]
- This is a rough day-by-day schedule, so we may be ahead or behind by a class or two at given points in the quarter.

Honors Cohort:

An Honors cohort is being offered in this section. If you are in the Honors Program, you are welcome to participate in the cohort. If you are not in the Honors Program but are eligible for the program, you are also welcome to participate as long as you have not taken an Honors class from De Anza previously. Eligibility requirements can be found at <http://deanza.edu/honors> or you may contact [dahonors@deanza.edu](mailto:dahonors@deanza.edu) with your name, SID, and the Honors course you are interested in taking. The cohort entails additional work and you will earn an Honors credit for this class on your transcript. Once you commit to the Honors portion, you will be expected to complete the extra work. Failure to complete the Honors work will result in a lowering of your Honors course grade.