

De Anza College
Math 10 - Introduction to Statistics

Instructor: Danny Tran Email: trandanny@fhda.edu

Class: Mon-Fri 9:30AM - 10:20AM (G1)

Office Hours: TuW 1:30-2:20PM (S43)
Th 10:30-11:20AM (S43)
W 10:30PM - 11:20PM (Email)

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
A FREE pdf version of the textbook is available at:
<https://openstaxcollege.org/textbooks/introductory-statistics>

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 (4)	14%
	Homework (Drop Lowest Chapter)	12%
	Statistics Labs (4)	10%
	Group Term Project	8%
	Exams (3)	33%
	Final Exam	23%

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@fhda.edu.
1 - Go to <http://www.webassign.net>
2 - Click on "I Have A Class Key"
3 - Enter: **deanza 1223 9211**

- Checking Your Grade:** Using Google Drive, you will have access to your current grade. Simply email me at trandanny@fhda.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:** If you are using your cell phone during class, you will be given a warning. If you continue, you will be asked to leave.
- Group Quizzes:** There will be 4 group quizzes. 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. No notes are allowed.
- Exams:** There will be 3 examinations. 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:** Tuesday June 27th, 9:15AM - 11:15AM
(You **MUST** be able to take the final on this day & at this time. **NO** exceptions)
If your final exam is better than your worst exam, your final exam percentage will replace your worst exam percentage. If your final exam is better than your worst group quiz, your final exam percentage will replace your worst group quiz percentage.

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:

Name:

Name:

Name:

Email:

Email:

Email:

Telephone #:

Telephone #:

Telephone #:

Expectations:

Math 10 is an incredibly challenging course; be sure you put yourself in the best situation to succeed by having terrific study habits. The De Anza College Math Department strongly suggests that for each hour of instruction, you spend 1.5 - 2 hours, outside of class, studying (**translates to 7.5-10 hours per week**). Below is a list of tasks I recommend that you do in order to best succeed in this course & prepare yourself for calculus:

(5 hours / week) In class:

- ✓ Attend every class (lectures, reviews, quizzes, exams, and labs)
- ✓ Take notes & ask questions
- ✓ Work with students during the worksheet portion of class

(7.5 - 10 hours / week) Outside of class:

- ✓ Preview each lesson by skimming the lesson for 10-15 minutes before class meets
- ✓ Review your notes after class, making sure you have understood the material
- ✓ Attend office hours
- ✓ Form study groups to complete homework, study for quizzes / exams / final
- ✓ Read the textbook
 - Read explanations
 - Work through the completed examples
 - Complete extra practice problems

Grades:

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