

De Anza College
Math 10 - Introduction to Statistics

- Instructor: Danny Tran Email: trandanny@fhda.edu
- Class: Mon-Fri 12:30pm - 1:20pm (E36)
- Office Hours: TuTh 9:30-10:20A (E32A); W 1:30-2:20P (S43); Th 9:00P - 9:50P (Online)
& by appointment
- 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.
- 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 every day.
- 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:
- | | |
|---------------------------|--------------------|
| Homework | 120 points |
| Statistics Labs (4) | 120 points |
| Classwork / Participation | 40 points |
| Group Term Project | 120 points |
| Exams (3) | 360 points |
| Final Exam | 240 points |
| Total | 1000 points |
- WebAssign: This is the online program we will be using to complete homework assignments. It will cost approximately \$40 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.
- 1 - Go to <http://www.webassign.net>
2 - Click on "I Have A Class Key"
3 - Enter: **deanza 0770 0181**
- 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 movie to your favorite sports 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.

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: **Wednesday, June 26 11:30am - 1:30pm**
(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.

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, practice, exams, and labs)
- ✓ Take notes & ask questions
- ✓ Work with students during the practice & review portions 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 exams
- ✓ Read the textbook
 - Read explanations
 - Work through the completed examples
 - Complete extra practice problems

Grades:

| | | | | | | | |
|----|-------------|----|------------|----|------------|---|------------|
| A | [92%, 100%] | B+ | [88%, 90%) | C+ | [78%, 80%) | D | [60%, 70%) |
| A- | [90%, 92%) | B | [82%, 88%) | C | [70%, 78%) | F | [0%, 60%) |
| | | B- | [80%, 82%) | | | | |

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 #:

Math 10 Schedule - Spring '19 (Tentative Schedule)

| Monday | Tuesday | Wednesday | Thursday | Friday |
|--------------------------------------------|----------------------------------|---------------------------------------|---------------------------|------------------------------------|
| Apr 8 Intro, Syllabus | Apr 9 Ch 1 | Apr 10 Ch 1 | Apr 11 Ch 1/2 | Apr 12 Lab / Practice |
| Apr 15 Ch 2 | Apr 16 Ch 2 | Apr 17 Ch 3 | Apr 18 Ch 3 | Apr 19 Lab / Practice |
| Apr 22 Ch 3 | Apr 23 Ch 3 | Apr 24 Ch 4 | Apr 25 Ch 4 | Apr 26 Lab / Practice |
| Apr 29 Ch 4 | Apr 30 Ch 4 | May 1 Ch 5/ 6 | May 2 Exam #1 Review | May 3 Exam #1 (Ch1-4) |
| May 6 Ch 6 | May 7 Ch 7 | May 8 Ch 7 | May 9 Ch 7/8 | May 10 Lab / Practice |
| May 13 Ch 8 | May 14 Ch 8 | May 15 Ch 8 | May 16 Ch 8/9 | May 17 Lab / Practice |
| May 20 Exam #2 Review | May 21 Exam #2 (Ch6-8) | May 22 Ch 9 | May 23 Ch 9 | May 24 Lab / Practice |
| May 27 Memorial Day No Class | May 28 Ch 9 | May 29 Ch 9 | May 30 Ch 10 | May 31 Lab / Practice |
| June 3 Ch 10 | June 4 Ch 10 | June 5 Ch 11 | June 6 Ch 11 | June 7 Lab / Practice |
| June 10 Ch 12 | June 11 Ch 12 | June 12 Ch 12 | June 13 Exam #3 Review | June 14 Exam #3 (Ch9-12) |
| June 17 Ch 13 | June 18 Ch 13 | June 19 Ch 13 | June 20 Project Day | June 21 Final Review |
| June 24 No Class | June 25 No Class | June 26 Final (1130A-130P) | | |

Student Learning Outcome(s):

- *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.
- *Identify, evaluate, interpret and describe data distributions through the study of sampling distributions and probability theory.
- *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.