

De Anza College
Math 10 - Introduction to Statistics

Instructor: Danny Tran Email: trandanny@fhda.edu

Office Hours: Mon-Thur 11A-12PM and by appointment (Zoom)

Book: *Introductory Statistics* by Illowsky, Barbara & Dean, Susan
A FREE pdf version of the textbook is available at:
<https://openstaxcollege.org/textbooks/introductory-statistics>

Required Materials: Graphing Calculator with statistical tests functions: TI-83 PLUS, TI-84, or TI-84 PLUS recommended

Access to a computer; we will be using Zoom, Canvas, and Minitab. Course materials and assignments will be posted on Canvas and WebAssign.

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|----------|---------------------------|--------------------|
| Grading: | Homework (WebAssign) (12) | 240 points |
| | Statistics Labs (4) | 200 points |
| | Term Project | 150 points |
| | Quizzes (5) | 200 points |
| | Final Exam | 210 points |
| | Total | 1000 points |

WebAssign: This is the online program we will be using to complete homework assignments. It will cost approximately \$45 for online use this quarter.

- 1 - Go to <http://www.webassign.net>
- 2 - Click on "I Have A Class Key"
- 3 - Enter: **deanza 5411 4408**

Expectations:

Math 10 is an incredibly challenging course; be sure you put yourself in the best situation to succeed by having terrific study habits. Below is a list of tasks I recommend that you do in order to best succeed in this course & prepare yourself for calculus:

- ✓ Watch all videos and understand calculator directions
- ✓ Complete all homework
- ✓ Preview each lesson by skimming the lesson for 10-15 minutes before class meets
- ✓ Review your notes each day, making sure you have understood the material
- ✓ Attend office hours (Zoom)
- ✓ 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%] | | | | |

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.