

# MATH 10.14 – Elementary Statistics & Probability

Erik Houser

MTWThF 12:30-1:20 pm | E - 36

## Prerequisites

MATH 114, or equivalent, with a C or better; or qualifying score on the Intermediate Algebra Placement Test within one calendar year.

Advisory: English Writing 211 and Reading 211 (or Language Arts 211), or English as a Second Language 272 and 273.

## Materials

Textbook: *Introductory Statistics*, by Illowsky and Dean.

ISBN: 978-1-938168-20-8 available free online AND with WebAssign access

Course Notebook: available for purchase in the bookstore

Graphing Calculator TI-83/84 or 83+/84+, or other statistics/graphing/scientific calculator;

WebAssign Access Code for online homework, available for purchase at the BOOKSTORE, or at: [www.webassign.net](http://www.webassign.net)

**WebAssign Class Key: deanza 9451 6759**

## Contact Information

**Office:** S-43B

**Email:** [housererik@fhda.edu](mailto:housererik@fhda.edu)

**Phone:** 408.864.8319

**Website:** [deanza.edu/faculty/housererik](http://deanza.edu/faculty/housererik)

## Office Hours

Virtual: T/W 1:30 – 2:05 pm

Physical: M/Th/F 10:30-11:15 am

*Virtual hours will be held via email, and physical hours will be in my office. I am also available by appointment.*

## Student Learning Outcomes

Upon successful completion of the course, the student should be able to:

- 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.

## IMPORTANT DATES:

Last day to:

- drop with a full refund: Sunday, Oct. 9
- drop with no record of grade: Sunday, Oct. 9
- request pass/no pass grade: Friday, Oct. 14
- drop with a “W” grade: Friday, Nov. 18

Holidays (CAMPUS CLOSED):

- Veterans Day: Friday, Nov. 11
- Thanksgiving Recess: Thursday – Sunday, Nov. 24 – 27

Last Class Meeting: Friday, Dec. 9

Final Exam: Wednesday, Dec. 14, 11:30 am – 1:30 pm

Last Day to Access Online HW: Thursday, Dec. 15

## POLICIES:

### Classroom Etiquette/Course Format

The classroom is a learning environment. **NO CELLULAR PHONES or computers should be in use**, unless arrangements have been made prior to the start of class. Once lecture begins, there should be no “social” conversations and students should not be asking their classmates for clarification of topics during lecture. I expect that each student will give their best effort to be attentive, participate in the classroom discussions, and attempt to complete all of the problems given as examples in the classroom. All students are expected to respect the learning of others and should refrain from disruptive/disorderly conduct or any acts that could negatively impact the classroom learning environment.

### **NO EATING OR DRINKING IN THE CLASSROOM.**

Students are expected to adhere to the tenets of the Foothill/De Anza Community College District Student Code of Conduct. Cheating/Academic Dishonesty will not be tolerated; this includes copying the work of another student’s review assignment or lab project results. Instances of cheating/academic dishonesty will be dealt with in accordance with De Anza College’s policy, and may result in an “F” grade for the course.

### Attendance

Regular class attendance is expected. **Students missing any day the first week will be dropped from the course**. After the first week, a student may be dropped from the class if she/he is absent **three** times. Dropping or withdrawal from the class due to hardship is the students’ responsibility. A student who stops coming to class and does not drop/is not dropped by the instructor by Nov. 18 will receive an “F” grade. It is the students’ responsibility to inform the instructor if she/he is going to be absent and the student is responsible for any material covered/announcements made on the day of the absence. **\*\*An “excused absence” is an absence due to a medical emergency, some other unavoidable situation, or school related function that is supported with documentation/evidence\*\*.**

### Homework

Homework will be assigned for each chapter that is covered in the class. Online homework is to be completed using WebAssign ([www.webassign.net](http://www.webassign.net), Class Key: **deanza 9451 6759**) I expect that all homework will be completed by its due date, however, there will be, at most, one extension of any specific homework assignment with a 15% reduction for all unfinished problems. Extensions will not extend beyond 7 calendar days after the assignment’s due date. Last day to access homework is Thursday, December 15.

**Lab projects that are assigned as homework WILL NOT be accepted late.**

Grades		Letter Grade	Minimum # of Points Required	Minimum % of Total Points Required
		ONLINE HOMEWORK	100 POINTS TOTAL (based on % completed)	A+
QUIZZES (3)	35 POINTS EACH	A	589	91%
Classwork (3)	15 POINTS EACH	A-	576	89%
TESTS (3)	75 POINTS EACH	B+	556	86%
LAB PROJECTS (3)	25 POINTS EACH	B	524	81%
FINAL EXAM	100 POINTS	B-	511	79%
<b>Note: NO MAKE UP EXAMS OR QUIZZES.</b> If you earn a percentage of 100 points on the final exam that is higher than the percentage correct on your lowest test score, that percentage of 75 points will replace the lowest test score. Lowest quiz score will get replaced with average of two highest quiz scores. <b>**Replacement of grade will not occur for zero due to an unexcused absence**</b>		C+	491	76%
		C	459	71%
		D+	446	69%
		D	394	61%
		D-	325	50%
		F	0	0%

## Additional Resources

### Tutoring

The Math, Science and Technology Resource Center is located in S43 on the De Anza Campus, (408) 864-8683. Hours of operation: Mon - Thurs 8:30 am - 6:30 pm, Fri 8:30 am - 12:30 pm. The student success center website has information for additional student support services: [www.deanza.edu/studentsuccess](http://www.deanza.edu/studentsuccess)

### Disability Support Services

For information or questions about eligibility, support services or accommodations to disability (physical or learning disability) contact Disability Support Service (DSS): Student Services Building (408) 864-8753;  
 Educational Diagnostic Center (EDC): Learning Center West 110; (408) 864-8839  
 Special Education Division: (408) 864-8407; [www.deanza.edu/specialed](http://www.deanza.edu/specialed)

## MATH 10.14 Tentative Schedule\*

Monday	Tuesday	Wednesday	Thursday	Friday
Sep 26 Syllabus/Course Introduction	Sep 27 Text ~Ch. 1	Sep 28 Text ~ Ch. 1	Sep 29 Text ~ Ch. 1	Sep 30 Lab #1
Oct 3 Text ~ Ch. 2	Oct 4 Lab #1 due Text ~ Ch. 2	Oct 5 Text ~ Ch. 2	Oct 6 Text ~ Ch. 2	Oct 7 Quiz #1
Oct 10 Text ~ Ch. 3	Oct 11 Text ~ Ch. 3	Oct 12 Text ~ Ch. 3	Oct 13 Text ~ Ch. 3	Oct 14 Classwork #1
Oct 17 Text ~ Ch. 4	Oct 18 Text ~ Ch. 4	Oct 19 Text ~ Ch. 4	Oct 20 Text ~ Ch. 5	Oct 21 <i>Last day to request pass/no pass</i> Test #1
Oct 24 Text ~ Ch. 5	Oct 25 Text ~ Ch. 5	Oct 26 Text ~ Ch. 6	Oct 27 Text ~Ch. 6	Oct 28 Quiz #2
Oct 31 Text ~ Ch. 6	Nov 1 Text ~Ch. 7	Nov 2 Text ~ Ch. 7	Nov 3 Lab #2 due Text ~ Ch. 7 & 8	Nov 4 Classwork #2
Nov 7 Text ~Ch. 8	Nov 8 Text ~Ch. 8	Nov 9 Text ~Ch. 9	Nov 10 Test #2	Nov 11 Veteran's Day <b>**NO-CLASS MTG**</b>
Nov 14 Text ~ Ch. 9	Nov 15 Text ~ Ch. 9	Nov 16 Text ~ Ch. 9	Nov 17 Text ~ Ch. 9	Nov 18 <i>Last day to drop with a "W"</i> Lab #3
Nov 21 Lab #3 due Text ~ Ch. 10	Nov 22 Text ~ Ch. 10	Nov 23 Quiz #3	Nov 24 Holiday Break <b>**NO-CLASS MTG**</b>	Nov 25 Holiday Break <b>**NO-CLASS MTG**</b>
Nov 28 Text ~ Ch. 11	Nov 29 Text ~ Ch. 12	Nov 30 Text ~ Ch. 12	Dec 1 Text ~ Ch. 12	Dec 2 Test #3
Dec 5 Text ~ Ch. 12	Dec 6 Text ~ Ch. 13	Dec 7 Text ~ Ch. 13	Dec 8 Text ~Ch. 13	Dec 9 Classwork #3
Dec 12 <b>**NO-CLASS MTG**</b>	Dec 13 <b>**NO-CLASS MTG**</b>	Dec 14 Final Exam (Ch. 1-13) 11:30 am - 1:30 pm, E36	Dec 15 <b>**NO-CLASS MTG**</b>	Dec 16 <b>**NO-CLASS MTG**</b>

\*This schedule/syllabus may be modified at any point during the quarter to better suit the needs of the class.