MATH 10.12 – Elementary Statistics & Probability

Erik Houser
MTWThF 12:30-1:20 pm | E - 31

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 Reader: 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

WebAssign Class Key: deanza 5882 9636

Contact Information

Office: S-43B

Email: housererik@fhda.edu

Phone: 408.864.8319

Website: deanza.edu/faculty/housererik

Office Hours
M/W/Th/F 10:30-11:20 am

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, April 23
- drop with no record of grade: Sunday, April 23
- request pass/no pass grade: Friday, May 5
- drop with a "W" grade: Friday, June 2

Holidays (CAMPUS CLOSED):
- Memorial Day Weekend: Saturday – Monday, May 27 – 29

Final Exam: Wednesday, June 28, 11:30 am – 1:30 pm

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 <u>should not</u> 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. **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 June 2 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, Class Key: **deanza 5882 9636**) I expect that all homework will be completed by its due date, however, there will be, at most, one extension per 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, June 29.
Lab projects that are assigned as homework WILL NOT be accepted late.

Grades

ONLINE HOMEWORK	100 POINTS TOTAL (based on % completed)	
QUIZZES (3)	35 POINTS EACH	
Classwork (3)	15 POINTS EACH	
TESTS (3)	75 POINTS EACH	
LAB PROJECTS (3)	25 POINTS EACH	
FINAL EXAM	100 POINTS	
TOTAL	**650 POINTS**	

Note: <u>NO MAKE UP EXAMS OR QUIZZES</u>. 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. **Replacement of grade will not occur for zero due to an unexcused absence**

Letter Grade	Minimum # of Points Required	Minimum % of Total Points Required
A+	650	≥ 100%
A	589	91%
A-	576	89%
B+	556	86%
B	524	81%
B-	511	79%
C+	491	76%
C	459	71%
D+	446	69%
D	394	61%
D-	325	50%
F	0	0%

Additional Resources

Learning Communities
De Anza has a wide variety of specialized learning communities: First Year Experience (FYE), Umoja, PUENTE, LEAD, Impact-AAPI, Honors Program, and others! For more information visit ~ http://www.deanza.edu/learningcommunities/

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

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

MATH 10.12 Tentative Schedule*

Monday	Tuesday	Wednesday	Thursday	Friday
Apr 10 Syllabus/Course Introduction	Apr 11 Text ~Ch. 1	Apr 12 Text ~ Ch. 1	Apr 13 Text ~ Ch. 1	Apr 14 **Lab #1**
Apr 17 Text ~ Ch. 1	Apr 18 Text ~ Ch. 2	Apr 19 Text ~ Ch. 2	Apr 21 Text ~ Ch. 2	Apr 21 **Quiz #1**
Apr 24 Text ~ Ch. 2	Apr 25 Text ~ Ch. 3	Apr 26 Text ~ Ch. 3	Apr 27 Text ~ Ch. 3	Apr 28 **Classwork #1**
May 1 Text ~ Ch. 3	May 2 Text ~ Ch. 4	May 3 Text ~ Ch. 4	May 4 Text ~ Ch. 4	May 5 *Last day to request pass/no pass* **Test #1**
May 8 Text ~ Ch. 4	May 9 Text ~ Ch. 5	May 10 Text ~ Ch. 5	May 11 Text ~Ch. 5	May 12 **Lab #2**
May 15 Text ~ Ch. 6	May 16 Text ~ Ch. 6	May 17 Text ~ Ch. 6	May 18 Text ~ Ch. 6	May 19 **Quiz #2**
May 22 Text ~ Ch. 7	May 23 Text ~ Ch. 7	May 24 Text ~ Ch. 7	May 25 **Classwork #2**	May 26 **Test #2**
May 29 Memorial Day No Classes	May 30 Text ~ Ch. 8	May 31 Text ~ Ch. 8	Jun 1 Text ~ Ch. 9	Jun 2 *Last day to drop with a "W"* **Lab #3**
Jun 5 Text ~ Ch. 9	Jun 6 Text ~ Ch. 9	Jun 7 Text ~ Ch. 10	Jun 8 Text ~ Ch. 10	Jun 9 **Test #3**
Jun 12 Text ~ Ch. 10	Jun 13 Text ~ Ch. 11	Jun 14 Text ~ Ch. 11	Jun 15 Text ~ Ch. 12	Jun 16 **Classwork #3**
Jun 19 Text ~ Ch. 12	Jun 20 Text ~ Ch. 12	Jun 21 Text ~ Ch. 13	Jun 22 Text ~Ch. 13	Jun 23 **Quiz #3**
Jun 26 ****NO-CLASS MTG****	Jun 27 ****NO-CLASS MTG****	Jun 28 **Final Exam (Ch. 1-13)** **11:30 am - 1:30 pm, E31**	Jun 29 ****NO-CLASS MTG****	Jun 30 ****NO-CLASS MTG****

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