MATH 10
Elementary Statistics and Probability
Spring 2018
Section 07, CRN 01213
G-7, 10:30-11:20p MTWRF

Instructor and Contact Information
Instructor: LISA MESH
E-Mail: meshlisa@fhda.edu
Phone/Text: (704)756-2264
Office Hours & Location: Mon/Wed: 1:30 – 2:20 in **S-43**
Tues/Thurs: 8:30-9:20 in **S-43**

Faculty Office: F31D

PREREQUISITE: MATH 114 or equivalent with a grade of C or better; or a qualifying score on the Intermediate Algebra Placement Test within the past calendar year.
ADVISORY: EWRT 211 and READ 211 (or LART 211), or ESL 272 and 273.

Required Materials

- **Textbook** – *Introductory Statistics*, (2014, yellow cover) by Illowsky & Dean
  This book is available in several formats free or at a low cost.
  Purchase of the *hardcopy is optional*, but it's a course requirement that you have access to a copy of this text.
  I encourage you to *download a free pdf file* of this book, which you can find at this web address:
  https://openstaxcollege.org/textbooks/introductory-statistics/get
  Hardcopies are available for purchase at the De Anza College Bookstore at a low cost.

- **Calculator** – Recommended calculators are TI-83, TI-83+, TI-84 and TI-84+. If you have another calculator, please have it approved by the instructor before our first quiz. Calculators that do symbolic logic (eg. TI-89, TI-92, HR-49, etc. will not be permitted during quizzes and exams.) Your phone is not your calculator. If you have your phone out during a quiz or test, you'll receive a zero on that assessment.

- **WebAssign subscription** for one quarter can be purchased in our campus bookstore or online at www.webassign.net. *(Access to Webassign is described in the **Homework** section on page 3.)*

- **Class Notes** to be downloaded from our CANVAS site. We have class notes for each section we'll cover in our class. Each section of nots will be filled in during our class, so bring them with you! You'll find these very useful tools in studying for our quizzes and exams.

Class Website / Canvas

We'll be **using CANVAS to manage our class documents and deadlines**. Your canvas connection should work, giving you access to all relevant course materials for our class.

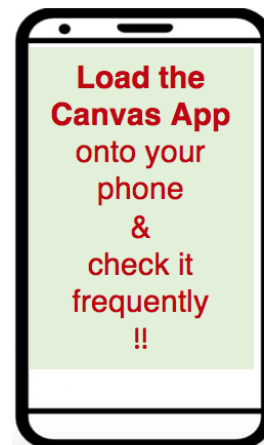*If you know how to access Canvas, go to it!* Otherwise, try the steps below.

- Log into **MyPortal** then click on your **Student** tab.
- Once on the student tab, look down the left side of your screen and click on **Log into Canvas** under **My Online Courses**.
- Once in Canvas, click on our course:
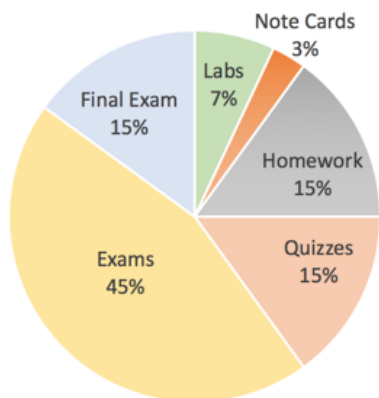 **Sp18 MATH D010 09 Elem Stats/Probability**

Our Canvas page contains LOTS of tools and documents four our class.

> *It includes links to the course syllabus (attached to this e-mail), links to our online homework tool (WebAssign), Class Notes, and other useful items.*

It will be updated and modified throughout this quarter.

Load the Canvas App onto your phone & check it frequently !!

Grades will be assigned as follows:

Pie chart: Note Cards 3%, Labs 7%, Final Exam 15%, Homework 15%, Quizzes 15%, Exams 45%

Grade	Percentage	Grade	Percentage
A+	At least 98%	B -	80% – 81%
A	92% – 97%	C+	78% – 79%
A -	90% – 91%	C	70% – 77%
B+	88% – 89%	D	60% – 69%
B	82% – 87%	F	Under 60%

Make up Policy – There are no make ups.
- You must take the exams on the dates listed.
- There are no make-up quizzes, homework, or exams.
- The final exam date and time have been determined and mandated by the college. No early/late final exam may be scheduled. If you know that you are unable to take the final at the date and time above, you must drop the class now.

Late Policy – Late homework/assignments will not be accepted.

Dropped/Replaced Grades:
- Lowest two Homework grades will be dropped.
- Lowest Quiz will be dropped.
- Lowest Exam grade will be replaced by Final Exam grade if the Final Exam grade is higher than the lowest exam grade.

Beginning of Class Notecards (3% of course grade)
We'll answer one or two questions at the beginning of most classes. Answers will be turned in and reviewed. Questions asked will most likely be based on material from the prior day's discussion.

Labs (7% of course grade)
We will have 4 lab grades through the quarter. (Lab 4 will be a peer review.) All grades will be included; no lab grades will be dropped.

Unless otherwise indicated, all lab exercises should be completed by teams of 2 - 3 students. Each group will turn in one report per lab, and the score will be the same for all members in the group. Teams can submit homework later than the due date with 5 points taken off for each day late. Some lab exercises may include a presentation component. *Each member of a lab group should be prepared, if necessary, to turn in a completed group lab report when due.*

Homework/Surveys (15% of final grade)
Homework will be assigned and conducted either on WebAssign or as announced in class.

WebAssign is the online program that we'll be using to complete and submit online homework assignments. It will cost approximately $35 for online use this quarter. If you have any questions about homework, feel free to come to office hours or e-mail me at meshlisa@fhda.edu. Please don't send questions to me through WebAssign. Instead, send questions via e-mail. I'll get to them quicker!

You can access WebAssign through a few inlets via Canvas.
- Click on Modules
    - then choose WebAssign Link
    - then click on WebAssign-Math 10
    - then wait until you enter WebAssign (sometimes, this takes a few seconds..)… OR.....
- Click on Assignments
    - Select Ch 1 Homework
    - Click on the top tab called Submission
    - Click on "External Tool"
    - then wait until you enter WebAssign (sometimes, this takes a few seconds..)
- Click on Homework 1 link on Canvas Homepage under the homework assignment.

We'll have 14 homework assignments to be completed (1 survey + 13 homework assignments).
- Your *12 best homework scores are counted* and the two lowest scores are dropped.
- All homework will be assigned weekly and will be due on dates indicated in WebAssign.
- I ask that each student complete the homework on time. This ensures that I can keep all grades updated and accurate.

You'll be asked to participate in an entrance survey at the beginning of the quarter. This will count as a full homework grade.

Homework will be due each week (typically on Friday), but **specific homework exercises will be assigned each day and will be posted on our Canvas homepage**. If you have homework questions, we'll try to answer them at the beginning of class (time permitting) or during office hours in the Math, Sciences & Technology Resource Center [located in S-43]. Homework help will also be available through other tutors in the Center during its open hours.

Quizzes (15% of course grade)
We'll have 10 quizzes; 9 best quiz scores are counted. The lowest quiz will be dropped; however, you are not allowed to drop a quiz in which you cheat.
Quiz dates are scheduled after we cover each chapter on the attached initial calendar, but may change as we progress through the quarter. Keep up with adjustments via Canvas.

Quizzes will be timed and most will last approximately 30 minutes. *After each quiz is completed, please plan to stay for remainder of class time.* I understand that life happens and that you may miss a quiz during this quarter for some reason. It's really not fair to anyone to give late or make-up quizzes. With both of these thoughts, in mind, I drop the lowest quiz score.

Midterm Exams (45% of course grade)
We will have 3 midterm exams through the quarter in addition to the final. Midterm exams will last approximately 50 minutes. Each of the midterm exams will cover only the material discussed since the previous test. Although tentative dates for these exams are posted on the course calendar (attached later in this document), we'll set each date firmly at least one week in advance.

I understand that you may be required to miss an exam because of circumstances in life, and my policy is that I don't give late or make-up exams. That said, if you miss an exam, you'll earn a grade of 0….*and*.....
Your final exam score will replace your lowest midterm exam score, even if your lowest exam score is a zero. Note that if your lowest mid-term exam score is the result of cheating or cell phone misuse, that score will <u>not</u> be replaced by the final exam score, but the next lowest will.

Topics to Skip include Venn Diagrams (Ch 3), Geometric, Hypergeometric, and Poisson Distributions (Ch 4), Central Limit Theorem for Sums (Ch 7) , Test of Single Variance (Ch 11)

Final Exam – *Thursday, 6/28 (9:15A – 11:15A)* (15% of course grade)
The final exam will be 2 hours long, worth at least 15% of your final grade, and it is mandatory. It will be comprehensive and will include all material covered during the quarter.

The final exam will cover material from the whole course. If English is a second language (ESL), a print (not electronic) English translation dictionary is allowed for exams/quizzes.

If you miss the final exam without contacting me (your instructor), you will receive a score of 0 on the Final Exam.

<u>*NOTE*</u>: **Please write all quizzes and exams using pencil or erasable pen**. Keep it neat*! If I can't read your work or if it's really messy, you may not receive full credit. If you choose to submit your quiz or exam using regular ink pen and it's messy, points will be deducted from your score.*

HELP!   Don't wait to get it. We really want to help you succeed. Find resources as soon as you can. Remember, getting help begins with you! You need to ask for it.

Here's a few of your best resources on campus.

- Visit the Math, Sciences & Technology Resource Center during Week 1 of the quarter.
    - ✓ It's located at S-43 or online at https://www.deanza.edu/studentsuccess/mstrc/
    - ✓ The center provides free tutoring services in a variety of formats (drop-in tutoring, one-on-one tutoring on a weekly basis, and 24/7 online tutoring).
    - ✓ It's there to help each of you.
- Work with other students in this class.
    - ✓ Share contact information with classmates and/or set a specific time for meeting (in person or online) to share and work together.
- Join me in office hours (also located in S-43). If you can't be there, set up an alternative place/time.

Accommodations for Students with Disabilities:
If you have questions about these services or your eligibility for support services or eligibility, contact one of the following resources:
- Disability Support Service (DSS): Student Services Building (408) 864-8753, TTY (408) 864-8748
- Educational Diagnostic Center (EDC): Learning Center West 110 (408) 864-8839
- Special Education Division: (408) 864-8407; www.deanza.edu/specialed

Speak with me privately after class or during office hours regarding your accommodations. All exams scheduled out of the classroom must be scheduled for a time period that at least overlaps class hours. Exams will not be authorized for vastly different time periods.

Academic Integrity:
Cheating and academic dishonesty aren't tolerated and can result in a grade of 0 or F for the assignment (quiz/exam/other assignment) or a grade of F for the course and referral to the Dean for academic discipline. *Just don't do it.* Any grade of 0 or F for dishonesty will be dropped and not replaced.

Cheating includes, but isn't limited to: copying from other students, permitting other students to copy from you, plagiarism, submitting work that isn't your own, using notes that don't meet permitted specifications, continuing to write/erase on an exam/quiz after permitted time has ended, changing your exam/quiz paper after it's been graded and then requesting a grading correction.

Class Cancellation / Emergency:
If I need to cancel class or cannot attend, I'll e-mail you as soon as I can, using announcements via Canvas.

If class is canceled for any reason or if an emergency causes campus to be closed, assume that any quiz, exam or due date scheduled on the date will be rescheduled to your next class meeting. If there are other changes, I'll announce them in the class after classes resume. Check our Canvas page and email for notices/announcements.

In the event of an emergency during class that requires evacuation of the building, leave the class immediately, but calmly. In the event of an earthquake, take cover under your desk, making sure that your head is protected as best as possible. As soon as possible, evacuate the building.

In the event of a local emergency not requiring evacuation, call 911 immediately.

Disclaimer:
Any of information in this syllabus is subject to change if the instructor finds it necessary. Changes will be announced during a class session and those who are absent will be held responsible for any announced changes to the syllabus.

Thanks for reading this in detail.
If you have any questions at all regarding our class, please ask me.
I'm really looking forward working together!

Tentative Course Schedule

Dates related to homework, chapters covered, quizzes and mid-term exams may change slightly as we go through the quarter. I'll will maintain a current calendar on our class Canvas page.

Please refer to it as our factual base through the quarter.

<u>Note</u>: FINAL and dates for drop/add/request pass/no pass are set by the college and will not change.

Mon	Tue	Wed	Thurs	Fri
4/9 Introductions Ch 1	4/10 Ch 1	4/11 Ch 1	4/12 Ch 1	4/13 Ch 2 Quiz 1 – Ch 1 Ch 1 HW
4/16 Ch 2	4/17 Ch 2	4/18 Ch 2	4/19 Ch 2	4/20 Ch 2 Quiz 2 – Ch 2
4/23 Ch 3 Ch 2 HW Due	4/24 Ch 3	4/25 Ch 3	4/26 Ch 3 Lab 1 Due	4/27 Quiz 3 Self Quiz Ch 3 HW Due
4/30 Ch 4	5/1 Exam #1	5/2 Ch 4	5/3 Ch 4	5/4 Ch 4 Quiz 4 – Ch 4
5/7 Ch 5 Ch 4 HW Due	5/8 Ch 5	5/9 Ch 6 Ch 5 HW Due Quiz 5 - Ch 5	5/10 Ch 6	5/11 Ch 6 Lab 2 Due
5/14 Ch 6	5/15 Ch 7 Quiz 6 – Ch 6 Ch 6 HW Due	5/16 Ch 7	5/17 Ch 7	5/18 Exam #2 Ch 7 HW
5/21 Ch 8	5/22 Ch 8	5/23 Ch 8	5/24 Ch 8 Lab 3 Due	5/25 Ch 9 Quiz 7 – Ch 8
5/28 Memorial Day Holiday (No Class!)	5/29 Ch 8 HW Due Ch 9	5/30 Ch 9	5/31 Ch 9	6/1 Ch 9 Quiz 8 – Ch 9
6/4 Ch 10 Ch 9 HW Due	6/5 Ch 10	6/6 Ch 10	6/7 Ch 10 Quiz 9 – Ch 9 & 10	6/8 Review Ch 10 HW Due
6/11 Exam #3	6/12 Ch 11	6/13 Ch 11	6/14 Ch 12 Lab 4 Due	6/15 Ch 12 Quiz 10 – Ch 11 & 12 Ch 11 HW Due
6/18 Ch 12	6/19 Ch 12	6/20 Ch 13 Ch 12 HW Due	6/21 Ch 12	6/22 Review Ch 13 HW Due
6/25	6/26	6/27	6/28 Final Exam 9:15 – 11:15A	6/29

College Schedule & Deadlines
- Last day to add a class: 4/21 (Sat)
- Last day to drop for full refund/credit: 4/22 (Sun)
- Last day to drop with no record of grade: 4/22 (Sun)
- Last day to drop with a "W" (withdraw): 6/1 (Fri)

- **Final Exam**: June 28 @ 9:15A-11:15A

College Holidays (No Class)
- Memorial Day Holiday – Sat - Mon (5/26 – 5/28/18)

If you have additional questions, consult Canvas/College Calendars online @ www.deanza.edu

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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.