Welcome to Math 10: Elementary Statistics Fall 2021

Welcome to Statistics! Statistics is an exciting and interesting subject. I hope you will enjoy learning the material in this course. Please read this syllabus in its entirety. Since this is an online learning class, you should strive to learn the material on your own. I am here to help so please message me (Canvas InBox (Links to an external site.)) or post Discussions questions in Canvas if you need assistance. Plan to commit a **minimum of 15 hours per week** to this course – this is a very fast-moving course!

Contact Information

Instructor: Dr Lisa Markus

The best way to contact me is **via the InBox in Canvas.** I will reply by the end of the next school day (School days are Monday – Friday). I am here to help so please use the InBox to contact me or post Discussion questions in Canvas if you need assistance.

Email: markuslisa@fhda.edu.

Online Office Hour

Office Hours: Use the links! Each day has a different link.

Monday 5:30pm - 7:00pm (Links to an external site.)
Tuesday 12:00 - 1:00 pm (Links to an external site.)

Wednesday 8:30am - 9:30am

During my Office Hours, you can talk to me live via Zoom.

I have enabled "**Waiting Rooms**" in Zoom office hours so that each student may privately speak to me during office hours. If you see that you are in the waiting room, please wait for me and I will be with you as soon as I am done helping the previous student(s). If my office hour does not work for your schedule, you may request an appointment for a different time to meet with me online via Zoom, OR you may use other options to communicate with me: via the InBox in Canvas (Links to an external site.) or the Ask Your Teacher (Links to an external site.) in WebAssign. My goal is to respond to asynchronous communications within 24 hours during the week, and within 48 hours on weekends.

Getting Help

There is a Getting Help page - please refer to this!

Attendance Policy

Attendance is **required** via actively participating online. I will drop any student who has not logged onto the Canvas course and Completed the Orientation Module by **11:00 pm on Wednesday 22 September.** If you fail to complete assignments 2 weeks in a row, I **may** drop you from the course, however, students are responsible TO DROP OR WITHDRAW if they so need. It is also the student's responsibility to check http://www.deanza.edu/calendar/ (Links to an external site.) for the De Anza College deadlines. The course-specific dates are in MyPortal.

I post Announcements and send messages to your Inbox in Canvas for all the assignments. Please be sure to read the announcements and check your Inbox in Canvas regularly.

Very Important Dates

Exams are online on the following dates. On each of these days, the exam will be available from 1:00am to 11:00pm Pacific Time (the time in Cupertino, California). All exams are timed, and once you start the exam, you will not be able to pause it. So please be sure to set aside one hour (two hours for the final exam) during the time window on each of these days. Note that the exam closes at 11:00pm, so if you start the exam at 10:30pm you will only get 30 minutes to work on the exam.

- **Exam 1: Thursday 14 October, 1 hour between 1am and 11pm**
- **Exam 2: Thursday 4 November, 1 hour between 1am and 11pm**
- **Final Exam: Thursday 9 December, 2 hours between 1am and 11pm**

Strategies for Success

1. Keep up on all work – set aside at least 15 hours per week to work on this course.
2. Ask questions! - Use Discussions, Canvas InBox, Office Hours on Confer Zoom...
3. Read the textbook in WebAssign and take advantage of the other resources in Canvas.
4. Start the homework long before it is due.

Required Course Materials

- **HOMEWORK: For** EACH homework, be sure to **click the link to that homewor**k in Canvas. Use the direct links for each chapter in the Modules. The homework is in WebAssign, which costs about $40 for the term.
- **TEXTBOOK***: Introductory Statistics* by Illowsky and Dean. (print or online) All of the text is free online, and is included as an e-book with WebAssign Alternatively, use or download at: https://openstaxcollege.org/textbooks/introductory-statistics/get (Links to

an external site.) You may also purchase a printed copy at the De Anza College bookstore

- **CANVAS**: deanza.instructure.com (Free.) Used for links to notes, videos, keeping track of your grades, doing homework taking quizzes and exams, and for downloading and uploading projects.
- **CALCULATOR**: A TI-84 graphing calculator (or equivalent) is essential throughout the course and is needed for the exams. You can rent a TI-84 calculator (Links to an external site.).
- **Some files in the course are pdf.** Download Acrobat Reader (Links to an external site.), if you do not already have it so you can read the pdf files.

Note to students with disabilities

If you have a disability-related need for reasonable academic accommodations or services in this course, provide me with a Test Accommodation Verification Form (also known as a TAV form) from Disability Support Services (DSS) or the Educational Diagnostic Center (EDC). Students are expected to give **one week** notice of the need for accommodations. Students with disabilities can obtain a TAV form from their DSS counselor (408 864-8753 DSS main number) or EDC advisor (408 864-8839 EDC main number). The application process is here: https://www.deanza.edu/dsps/dss/applynow.html (Links to an external site.)

No Make-Ups

There are absolutely NO MAKEUPS for any missed work, and no late work will be accepted. I count your top 2 exam scores (out of the 3 exams), plus the final exam score. Therefore, it is possible your final exam score will be counted twice. Late projects will receive a grade of 0. For the homework on WebAssign, and the Canvas quizzes, I only take your top 10 grades. For the projects, only your top 4 score count towards your final grade. This dropping of lowest scores is **also to take into account any technical difficulties** that may occur.

Academic Integrity

Students who submit the work of others as their own or cheat on exams or other assignments will receive a failing grade in the assignment and will be reported to college authorities. However, on the projects you are encouraged to work in groups of up to 4 people and submit one project per group.

Online Homework

The purpose of homework is to help you learn the material in the course. You learn the most and do your best if you work through the homework problems. Your 10 highest **WebAssign** homework scores count towards your final grade, this also takes into account any technical difficulties you may have. NO EXTENSIONS WILL BE GRANTED. **Each homework question may be submitted up to 5 times,** so for each

homework your score should be close to 10. To access the homework, for each chapter **click on the links in Canvas**!

Projects

Projects may be done groups of up to four members - you may post in the course Discussions to find people to work with. Turn in one copy with all of the group members' names on the project. Working alone is also just fine.

Late work will receive a grade of 0. Projects must be uploaded in Canvas as a **SINGLE** attachment (a single file, NOT a folder with several files) by the due date and time, in the appropriate place (upload in the Project under Assignments by clicking on the "Submit" button). Attachments that are blank or cannot be opened receive a grade of 0. If you upload more than one file, I will only grade one file - the default is the most recent upload. Your 4 highest project grades count towards your final grade. This dropping of lowest scores is **also to take into account any technical difficulties** that may occur.

Exams

Two Midterm Exams (1 hour) and one Final Exam (2 hours) will be given during the quarter. The exams are in Canvas and are available from 11:00am to 11:00pm on the dates given above. Please plan to have time to take the exams on those days - the cut off is 11pm. **I count your top 2 exam scores (out of the 3 exams), plus the final exam score. Therefore, it is possible your final exam score will be counted twice.**

If you do not take the Final Exam your grade for the course will be F. I count your top 2 exam scores (out of the 3 exams), plus the final exam score. Therefore, it is possible your final exam score will be counted twice.

Feedback

For **EVERY** assignment, be sure to review the correct answers to help understand what you went wrong, and thoughtfully ask me any questions on anything you need help with. In WebAssign there is a Key icon to click on after the due date and time. Also, in WebAssign, there is an "Ask the Instructor" button - please use this! For the projects, check out the rubric in Canvas and review any comments I write about your work after it is graded. Expect the project grades with comments within 3 days of the due date.

Grades

Summary of assignments for the course

Type	Description	Maximum Points
3 Exams (2 midterms plus final exam)	Top 2 out of 3 at 50 points each	100

Final Exam *	50 points	50
Online Quizzes	13 at 10 points each, 3 lowest dropped	100
Projects	6 at 25 points each, 2 lowest dropped	100
WebAssign online homework	13 at 10 points each, 3 lowest dropped	100
TOTAL		450

Percentage needed for each letter grade

Letter Grade	Lowest Percent for the letter grade
A	93%
A-	90%

B+	87%
B	83%
B-	80%
C+	77%
C **(PASS)**	70%
D+	67%
D	63%
D-	60%
F	0%

Tentative Calendar

Calendar for the Course			
Week	**Projects due MONDAYS by 11:00pm**	**Homework, Quizzes due WEDNESDAY 11:00pm**	**Exams on THURSDAYS by 11:00pm**
Week 1		Orientation (Module 0) **Due Wednesday 11:00pm** Homework, Quiz Chapter 1 **DUE FRIDAY 11:00pm**	NOTE: Orientation due Wednesday, Homework and Quiz due FRIDAY
Week 2	Project 1 on Chapter 1	Homework, Quiz Chapter 2	
Week 3		Homework, Quiz Chapter 3	

Week 4	Project 2: Chapter 2 Descriptive Statistics	Homework, Quiz Chapter 4	**Exam 1: Thursday . 1 hour exam in Canvas on Chapter 1-4** **1:00am - 11:00pm**
Week 5		Homework, Quiz Chapter 5, 6	
Week 6		Homework, Quiz Chapter 7	
Week 7	Project 3: Chapter 7 the Central Limit Theorem	Homework, Quiz Chapter 8	**Exam 2: Thursday 1 hour exam in Canvas on Chapter 5-8** **1:00am - 11:00pm**
Week 8		Homework, Quiz Chapter 9	
Week 9	Project 4: Chapter 8, 9 (hypothesis test for proportions)	Homework, Quiz Chapter 10	
Week 10	Project 5: Chapter 8, 9 (Hypothesis Tests for the mean)	Homework, Quiz Chapter 11	
Week 11		Homework, Quiz Chapter 12	
Week 12	Project 6: Chapter 12 Linear Regression	Homework, Quiz Chapter 13	**FINAL EXAM: 2 hour exam in Canvas, Chapters 1-13** **1:00am - 11:00pm**

IMPORTANT NOTE:

You should always, throughout this course, include leading zeroes, for example write 0.57 **NOT** .57.

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.