

Welcome to Math 10: Elementary Statistics Winter 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

Email: markuslisa@fhda.edu

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 Monday 6:00pm - 7:15pm, Wednesday 9:00am - 10:00am

I have an in-person virtual **Office Hour: Monday 6:00pm - 7:15pm, Wednesday 9:00am - 10:00am via Zoom (use the ZOOM link on the left in Canvas)**. Please drop by virtually and ask questions! You do not have to use video - there is audio-only, and there is a Chat window available in Zoom. If you prefer a lower-tech (lower-bandwidth) option, use the Canvas InBox to ask questions, or the weekly [Discussions](#) to ask questions, and you will get a response almost immediately during my office hour, and a response within one school day at any other time!

The following days are school holidays, and there will be **no Office Hour** on those days:

Monday 18 January (Martin Luther King Day)

Monday 15 February (Presidents' Day)

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 6 January** 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 11:00am to 11:00pm PDT (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 28 January 1 hour between 11am and 11pm**
- **Exam 2: Thursday 18 February 1 hour between 11am and 11pm**
- **Final Exam: Thursday 25 March 2 hours between 11am 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 homework** 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: <http://books.deanza.edu/home.aspx> ([Links to an external site.](#)) .

- **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 papers 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.**

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

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 (includes orientation quiz)	14 at 10 points each, 4 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

*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.

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			
<i>Week</i>	Projects due MONDAYS by 11:00pm	Homework, Quizzes due WEDNESDAY 11:00pm	Exams on THURSDAYS by 11:00pm
Week 1	4 January	Orientation (Module 0) Due Wednesday 11:00pm	NOTE: Orientation due Wednesday, Homework and Quiz due FRIDAY

		Homework, Quiz Chapter 1 DUE FRIDAY 11:00pm	
Week 2	11 January Project 1 on Chapter 1	Homework, Quiz Chapter 2	
Week 3	18 January: Martin Luther King Day , no Office Hour	Homework, Quiz Chapter 3	
Week 4	25 January Project 2: Chapter 2 Descriptive Statistics	Homework, Quiz Chapter 4	Exam 1: Thursday 28 January. 1 hour exam in Canvas on Chapter 1-4 11:00am - 11:00pm
Week 5	1 February	Homework, Quiz Chapter 5, 6	
Week 6	8 February	Homework, Quiz Chapter 7	
Week 7	15 February: Presidents' Day. No Office Hour. Project 3: Chapter 7 the Central Limit Theorem DUE TUESDAY	Homework, Quiz Chapter 8	Exam 2: Thursday 18 February, 1 hour exam in Canvas on Chapter 5-8 11:00am - 11:00pm
Week 8	22 February	Homework, Quiz Chapter 9	

Week 9	1 March Project 4: Chapter 8, 9 (hypothesis test for proportions)	Homework, Quiz Chapter 10	
Week 10	8 March Project 5: Chapter 8, 9 (Hypothesis Tests for the mean)	Homework, Quiz Chapter 11	
Week 11	15 March	Homework, Quiz Chapter 12	
Week 12	22 March Project 6: Chapter 12 Linear Regression	Homework, Quiz Chapter 13	FINAL EXAM: Thursday 25 March, 2 hour exam in Canvas, Chapters 1-13 11:00am - 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.