

Math 10: Elementary Statistics Winter 2023

Tuesday 6:30 – 8:45pm in S16, and online

Welcome to Statistics! Statistics is an exciting, relevant, and interesting subject. I hope you will enjoy learning the material in this course. Please read this syllabus in its entirety. I am here to help so please contact me if you need assistance. Plan to commit a **minimum of 15 hours per week** to this course – this is a very fast-moving course.

Our class is partly online, and partly on-campus. **The course meets every Tuesday from 6:30 – 8:45pm on-campus.** Please note that not everything will be covered during the in-person portion of this course. You will need to study on your own, in addition to completing some assignments outside of class.

This syllabus contains the policies and expectations that have been established for this course. These policies and expectations are intended to create a productive learning atmosphere for all students. Please bring any concerns you may have to my attention (see Contact Information below).

To create and preserve a course atmosphere that optimizes teaching and learning, all students share the responsibility of creating a positive learning environment. Students are expected to conduct themselves in a manner that does not disrupt teaching or learning.

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 if you need assistance.

I can also be reached at email: markuslisa@fhda.edu.

Math 10 Student Learning Outcomes

1. 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.
2. Identify, evaluate, interpret and describe data distributions through the study of sampling distributions and probability theory.
3. 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.

Office Hours

Office Hours:

- **Monday 8:00pm – 9:30pm via ZOOM**
- **Tuesday: 5:00 – 6:00pm in-person in S76-F**
- **Thursday 9:00am – 9:50am via ZOOM**

Zoom links are in Zoom on the Navigation (on left) in Canvas. The following days are school holidays, and there will be **no Office Hour** on those days:

- **Monday 16 January (Martin Luther King Day)**
- **Monday 20 February (Presidents' Day)**

During my Zoom Office Hours, you can talk to me live! You do not need to use your camera. If you do not have a good microphone, you can use Chat in Zoom. During my Office Hours I will also be monitoring and responding promptly to the Canvas InBox and the **Ask Your Instructor** in WebAssign. Outside of my Office Hours, my goal is to respond within 24 hours during the school week, and by Monday before noon to questions asked after 5pm on Friday.

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 school week, and within 48 hours on weekends.

Attendance Policy

Attendance is required via actively participating online, and by attending the in-person class. I will drop any student who does not attend the first in-person class. After the first week, if you fail to complete assignments 2 weeks in a row, or miss the on-campus class 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/ \(Links to an external site.\)](http://www.deanza.edu/calendar/) for the De Anza College deadlines. The course-specific dates are in MyPortal.

I post [Announcements](#) and send messages to your Inbox in Canvas. Please be sure to read the Announcements and check your Inbox in Canvas regularly.

For class, please be sure to bring paper for taking notes, a pencil, an eraser, a ruler (for graphs) and a graphing calculator. No electronic devices may be used in class except for a TI-84 (or equivalent). This means your laptop, smart watch, iPad and phone (etc.) must be silenced and put away during class.

Note on Electronic Devices

The **ONLY** electronic device you may use in class is a TI-84 (or equivalent) calculator (not an app on your phone). All cell phones must be silenced or turned off, and put away. iPads, laptops, smart watches are not allowed. During any assessment, looking at a cell phone, smart watch, or any other electronic device except a physical TI-84 (or equivalent) calculator is considered cheating.

Strategies for Success

- Come to class!
- Keep up on all work – set aside at least 15 hours (including class time) per week to work on this course.
- Ask questions! - Use Discussions, Canvas InBox, Office Hours.
- Read the textbook (links in Canvas or in WebAssign).
- Start the homework long before it is due.
- Complete and submit all assignments on time.

Required Course Materials

- **REQUIRED HOMEWORK and TEXTBOOK:** The homework is in WebAssign, which costs about \$50 for the term. For each question, you have up to 5 submissions. **For EACH** homework, be sure to **click the link to that homework** in Canvas in the Modules. The textbook: *Introductory Statistics* by Illowsky and Dean is included as an e-book with WebAssign Homework. Alternatively, use or download the textbook at: <https://openstax.org/details/books/introductory-statistics> (Links to an external site.) You may also purchase a printed copy at the [De Anza College bookstore](#) (Links to an external site.).
- **CANVAS:** deanza.instructure.com (free) is used for links to notes, videos, keeping track of your grades, doing some assignments.
- **CALCULATOR:** A TI-84 graphing calculator (or equivalent) is essential throughout the course and is needed for the exams. The [De Anza College Library](#) (Links to an external site.) has calculators you can borrow. You will need to bring a calculator to class. An app on your phone may NOT be used in class.
- **FILE UPLOADS:** A way to **submit written work** in Canvas as a single file upload. All assignments that are file uploads must be **ONE** file only. Multiple files submitted will not be grades, only the latest one. **NO ZIP FILES!** The Free Apps *Genius Scan* and *SwiftScan* will take photos of work on a smart phone and combine into a single pdf for upload.
- **PDF: 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 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 the 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.)

Several Assignment scores dropped, therefore no make-ups, no extensions

This dropping of lowest scores is **to take into account any technical difficulties** that may occur, plus any other issues that may come up including COVID-19 related. **There are absolutely NO MAKEUPS or extensions for any missed work, and no late work will be accepted.**

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. Cheating includes looking at an electronic device (other than your calculator) during a quiz or exam.

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. **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!**

Quizzes

There are several **in-class** quizzes. Your top 6 scores count towards your course grade. For each in-class quiz, you may bring one 8 1/2 inch by 11 inch page of notes (both sides - this is only ONE piece of paper, not two glued together, etc.).

Projects

Projects may be done groups of up to four members, or by working alone. Each group needs only turn in one copy with all of the group members' names on the project. Working alone is also just fine.

Projects uploaded in Canvas must be as a single file, NOT a folder with several files, NOT a zip file, 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. Files uploaded in the Comments will not be graded, emailed files will not be graded. If you upload more than one file, I will only grade one file - the default is the most recent upload.

Exams

Three Midterm Exams (1 hour) and one Final Exam (2 hours) will be given during the quarter. **I count your top 2 Midterm exam scores (out of the 3 exams), plus the final exam score.** Bring a #2 pencil and an eraser to the exam. You must also **BRING A PHOTO ID**. You may bring one 8 1/2 inch by 11 inch page (both sides - this is only ONE piece of paper, not two glued together, etc.) of notes for the Exams (TWO pages for the Final Exam), and a calculator (NOT an app on your cell phone, etc.).

If you do not take the Final Exam your grade for the course will be F.

Feedback

For **EVERY** assignment, be sure to review the correct answers to help understand where 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 Midterm Exams | 3 at 50 points each, 1 lowest dropped | 100 |
| Final Exam* | 50 points | 50 |
| In-class Quizzes | 10 points each, top 6 count | 60 |
| Projects | 4 at 30 points each, 1 lowest dropped | 90 |
| WebAssign online homework | 13 at 10 points each, 3 lowest dropped | 100 |
| TOTAL | | 400 |

*If you do not take the Final Exam your grade for the course will be F.

Lowest percent for each letter grade:

A 93%, A- 90%, B+ 87%, B 83%, B- 80%, C+ 77%, C 70%, D+ 67%, D 63%, D- 60%.

Tentative Calendar Winter 2023

| | Online. Due 11:00pm Monday night | In Class |
|--------------------------------|--|--|
| Week 1: Tuesday 10 January | | Chapter 1 examples Intro Quiz |
| Week 2: Tuesday 17 January | WebAssign Homework Chapter 1 | Chapter 2 examples Chapter 1 Quiz |
| Week 3: Tuesday 24 January | WebAssign Homework Chapter 2 | Chapter 3 examples Chapter 2 Quiz |
| Week 4: Tuesday 31 January | WebAssign Homework Chapter 3 Project 1 (Chapter 1, 2) Due | Exam Chapters 1,2,3 Chapter 4 examples |
| Week 5: Tuesday 7 February | WebAssign Homework Chapter 4 | Chapter 5, 6 examples Chapter 4 Quiz |
| Week 6: Tuesday 14 February | WebAssign Homework Chapter 5, 6 | Chapter 7 examples Chapter 5,6 Quiz |
| Week 7: Tuesday 21 February | WebAssign Homework Chapter 7 Project 2 (Chapter 5-7) Due | Exam Chapters 4,5,6,7 Chapter 8 examples |
| Week 8: Tuesday 28 February | WebAssign Homework Chapter 8 | Chapter 9 examples Chapter 8 Quiz |
| Week 9: Tuesday 7 March | WebAssign Homework Chapter 9 | Chapter 10 examples Chapter 9 Quiz |
| Week 10: Tuesday 14 March | WebAssign Homework Chapter 10 Project 3 (Chapter 8, 9) Due | Exam Chapters 8,9,10 Chapter 12 examples |
| Week 11: Tuesday 21 March | WebAssign Homework Chapter 12 | Chapter 11, 13 examples Chapter 12 Quiz |
| Week 12: Tuesday 28 March | WebAssign Homework Chapter 11, 13 Project 4 (Chapter 12) Due | Final Exam |

IMPORTANT NOTE:

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