Math 10: Elementary Statistics Fall 2024

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. 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.

This course is **100% asynchronous**, so there are no required meetings. However, there are assignments with deadlines and 3 exams on certain days, so **plan ahead** to complete the required work on time.

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.

Communication Information

Instructor: Dr Lisa Markus. Please call me "Lisa" or "Dr. Markus".

The best way to contact me is **via the InBox in Canvas.** 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 am here to help! You can also post Discussion questions in Canvas if you need assistance. I can also be reached at markuslisa@fhda.edu.

I will be sending out weekly Announcements and will be including comments with the grading of your projects and quizzes. I also send messages to your Inbox in Canvas. Please be sure to read the Announcements and check your Inbox in Canvas regularly.

Throughout this course, please contact me anytime you have a question or concern. We will also have Discussions available for you to ask (and answer) questions with the entire class.

Virtual Office Hours via Zoom

Office hour is **TUESDAY 1:45pm – 3:00pm Pacific Time**.

Zoom links are in Zoom on the Navigation (on left) in Canvas.

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.

I have enabled "**Waiting Rooms**" in Zoom office hours so that each student may privately speak to me during that time. 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.

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 first 2 parts of the [Orientation Module](#) by **11:00 pm on Wednesday 25 September. Part 3 is due Friday 27 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.)](http://www.deanza.edu/calendar/) for the De Anza College deadlines. The course-specific dates are in MyPortal.

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 Zoom.
3. Read the textbook and take advantage of the other resources in Canvas.
4. Start the homework long before it is due.
5. Plan to submit all work ahead of the due date and time in case of difficulties.

Required Course Materials

- **REQUIRED HOMEWORK:** The homework is in MathGPT. You will receive an invitation to join through the email address you have on file with De Anza College. The homework includes AI tutoring. The tutor is free for the first 14 days, and will cost about $25 after that to keep the tutor. If you do not pay, you will still have access to the homework, but not the AI tutor.
- **TEXTBOOK**: *Introductory Statistics* by Illowsky and Dean. (print or online) All of the text is **free** online, and is included as links to the content in Canvas, and MathGPT. Alternatively, use or download at: [https://openstax.org/details/books/introductory-statistics (Links to an external site.)](https://openstax.org/details/books/introductory-statistics) You may also purchase a printed copy at the [De Anza College bookstore (Links to an external site.)](#).
- **CANVAS**: deanza.instructure.com (Free.) Used for links to notes, videos, keeping track of your grades, taking quizzes and exams, and for 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.)](#). The [De Anza College Library (Links to an external site.)](#)also has

calculators you can check out. Texas Instruments has a free 90-day trial of a [TI-84 emulator. (Links to an external site.)](#)

- **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 all be graded, only the latest on. NO ZIP FILES! The Free Apps *Genius Scan* and *SwiftScan* will take photos of work on a phone and combine into a single 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 (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.)](https://www.deanza.edu/dsps/dss/applynow.html)

Several Assignment scores dropped, therefore no make-ups

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. For the homework on WebAssign, and the Canvas quizzes, I only take your top 10 grades. For the projects, only your top 4 scores count towards your final grade (exception: Honors Cohort ALL project scores count). This dropping of lowest scores is **to take into account any technical difficulties** that may occur, plus any other issues, including power outages or lack of internet access, that may come up. **There are absolutely NO MAKEUPS or extensions for any missed work, and no late work will be graded.**

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 the group members' names on the project. Working alone is also fine.

Projects must be uploaded in Canvas as a **SINGLE** attachment (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. Your 4 highest project grades count towards your final grade (exception: Honors Cohort the honors project may not be dropped). This dropping of lowest scores is **also to take into account any technical difficulties** that may occur. Remember: Late work is not graded!

Exams

Two Midterm Exams (1 hour) and one Final Exam (2 hours) will be given during the quarter. The exams are in Canvas. **I count your top 2 exam scores (out of the 3 exams), <u>plus</u> 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), <u>plus</u> the final exam score. Therefore, it is possible your final exam score will be counted twice.

See the calendar below for the days for the exams. The exams will be available in Canvas from 1:00am - 11:00pm.

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

Course Grade Calculation

Assignment Type	Description	Maximum Points
Homework (13 total)	10 points each. Top 10 included in grade	100
Quizzes (13 total)	10 points each. Top 10 included in grade	100
Projects (5 total)	25 points each. Top 4 included in grade	100
Exams (3 total)	50 points each, Top 2 included in grade	100
Final Exam (see below)	50 points	50
Total Points		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. For example, if your scores on Exam 1 and 2 are 40 and 45, and you score 47 on the final, then your exam scores will be 47,45, 47 (with the 47 on the final replacing the 40 on exam 1). If your scores on Exam 1 and 2 are 43 and 45, and you score 40 on the final, then your exam scores will be 43,45, 40 (with the final exam score only counting once).

Honors Cohort Only

This class is offered as an Honors cohort for interested students in the Honors Program. If you are interested in taking this class through the Honors Program, please email me so I can give you the Honors section add code. If you do not know about De Anza's Honors Program, please visit https://www.deanza.edu/honors to learn about how it works. If you take this class as an Honors cohort, you will be **required** to complete an honors project. Failure to complete the project will result in a reduction of your grade by a full letter grade. Further, no project scores will be dropped, and no late work accepted. It is a good idea to turn in all work well ahead of the deadlines.

Honors Course Grade Calculation

Assignment Type	Description	Maximum Points
Homework (WebAssign) (13)	10 points each. Top 10 included in grade	100
Quizzes (13 total)	10 points each. Top 10 included in grade	100
Projects (5 total)	25 points each. Lowest dropped	100
Exams (3 total)	50 points each, Top 2 included in grade	100
Final Exam (see below)	50 points	50
Honors Project	25 points (grade reduced by one letter grade if not submitted)	25
Total Points		475

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%.

NOTE: there are also extra credit assignments that add to your points, but not the total points, so your personal total points (after dropping some scores) is divided by **450** (475 for Honors Section) to calculate your grade. Note that your grade showing in Canvas may not be your correct course grade, due to the dropping of some scores and the extra credit.

Math 10: Statistics, Tentative Calendar

Tentative Calendar for the Course

Week	Monday Homework, Quizzes due 11:00pm	Wednesday Exams, Projects due 11:00pm
1	**23 Sept**	**25 Sept** Online Orientation
2	**30 Sept** Chapter 1 and 2	**2 Oct**
3	**7 Oct** Chapter 3	**9 Oct** Project 1 (Chapter 1 and 2)
4	**14 Oct** Chapter 4	**16 Oct** Exam 1 (Chapter 1 - 4)
5	**21 Oct** Chapter 5 and 6	**23 Oct**
6	**28 Oct** Chapter 7	**30 Oct** Project 2 (Chapter 7)
7	**4 Nov** Chapter 8	**6 Nov** Exam 2 (Chapter 5 - 8),
8	**11 Nov** Chapter 9	**13 Nov**
9	**18 Nov** Chapter 10	**20 Nov** Project 3 (Chapter 8 and 9)
10	**25 Nov** Chapter 11	**27 Nov** Project 4 (Chapter 8 and 9)
11	**2 Dec** Chapter 12	**4 Dec** Project 5 (Chapter 12)
12	**9 Dec** Chapter 13 **[HONORS PROJECT due]**	**11 Dec** Final Exam (Chapter 1 - 13)

IMPORTANT NOTE:

You should always, throughout this course, include leading zeroes, for example write 0.57 **NOT** .57. Points will be taken off for omitting leading zeroes.

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 evaluate conjectures, and communicate the results of random data using statistical analyses such as interval and point estimates, hypothesis tests, and regression analysis.

Office Hours:

T   01:45 PM   03:00 PM   Zoom,Canvas,Email