



MATH 10 Elementary Statistics and Probability - Fall 2022
 Section D010.Q02, D210XQ02, D410XQ02 /CRNs 25318, 25317, 27336
 Class Time: 11:00 – 1:15p Tues & Thurs Online (in Zoom)

Instructor: Lisa Mesh

E-Mail: meshlisa@fhda.edu

Class Zoom Meeting ID: 874 8900 6233 Passcode: 212404

Office Hours: MTWR 3 – 3:50p

Office Hours Meeting ID: 892 8147 8156 Passcode: 815075

Course Description

This course is an introduction to data analysis making use of graphical and numerical techniques to study patterns and departures from patterns. The student studies randomness with an emphasis on understanding variation, collects information in the face of uncertainty, checks distributional assumptions, tests hypotheses, uses probability as a tool for anticipating what the distribution of data may look like under a set of assumptions, and uses appropriate statistical models to draw conclusions from data. The use of technology (computers or graphing calculators) will be required in certain applications. Where appropriate, the contributions to the development of statistics by people from diverse cultures will be introduced.


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.

1 – Log into **MyPortal**

2 – Click on the  Apps link in the left-hand navigation on page then choose

3 – Next, choose “Login to De Anza Canvas Site”

4 – Once on the Canvas Site, select the following class.



F22 MATH D010 Q02, Q02, Q02 Introductory Statistics

Our Canvas page contains access to all of the materials we'll need for our class.

It includes links to the course syllabus, links to our online homework, class notes, and other useful items.

It will be updated and modified throughout this quarter.

Required Materials

All required materials for this class will be free, published online and accessible through Canvas. These materials include:

1. **Class Workbook Notes:** Published Online in Canvas.
2. **Textbook:** Published Online in Canvas.
3. **Statistical/Analysis Tools:** Published Online in Canvas.
4. **Online Homework:** MyOpenMath, with link and registration through Canvas.

Optional – **Basic calculator:** This will come in really handy. I recommend getting a cheap, basic calculator.

Course Content & Structure

- This course is
 - Required for students who had a high school GPA that is less than 2.3
 - Recommended for students who had a high school GPA that is between 2.3 and 2.99
 - Optional for all other students.

- Students in this class will receive 7.5 credit hours for taking this class and its co-requisite course and the course has two components.
 - MATH 10 covers all required topics in PreCalculus I. Your grade in this portion of our class will count for 5 credit hours and will impact your De Anza GPA (grade point average).
 - MATH 210/410 is extra time and review of key concepts related to our class. This is the **co-requisite portion** of our class.

Students have a choice of enrollment type for the co-requisite portion of our class, but you must make this choice during the first 2 weeks of the Fall Quarter. (That is, by 10/8/22.)

1. You can take this portion of your course for **credit (even though that credit will not transfer)**.
 - a. You will *pay for the 2.5 hours* our course.
 - b. You will be *graded* for this portion of the course. (Your grade will be the same as the 31 portion of our course).
 - c. The *grade that you receive for this portion of our class will be included in your De Anza College GPA (grade point average)*.
 - d. You will receive 2.5 hours credit for this course, but *those 2.5 hours are not transferrable to your later university*.
2. You can take this portion of your course as a **non-credit** course.
 - a. You will *not pay for the 2.5 hours of our course. That is, this portion of the course will be free for you*.
 - b. You will be graded for this portion of the course. (Your grade will be the same as the 31 portion of our course), but *the grade that you receive for this portion of your class will not be included in (and will not impact) your De Anza College GPA*.
 - c. You will *not receive any credit for this portion of your course*.
 - d. You must
 - i. Drop MATH D210XQ02, CRN 25317 by October 9, 2022
 - ii. Add MATH D410XQ02, CRN 26336 before October 8, 2022

If you are on a student visa, receiving financial aid, or part of a sports team, College Promise, or some other program that has a minimum unit requirement, you should speak with a counselor or advisor before switching to this non-credit option.

One last item to keep in mind, once you make this decision, there's no going back. You must stay with your final choice.

Class Structure

We'll be spending 6.75 hours in class related time per week.

Asynchronous Video Lectures Online (require approximately 2.25 hours/week)

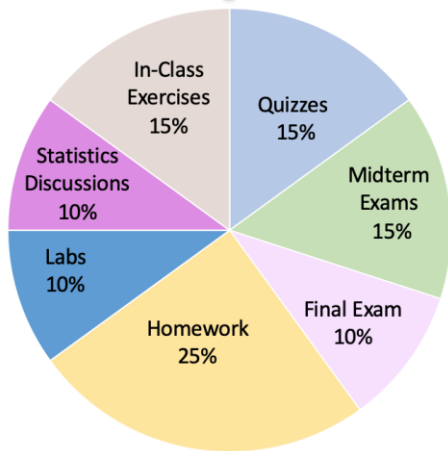
- Specific lectures supporting notes will be recorded and accessible through Zoom.
- Students are expected to watch these videos, filling out course notes as they watch the videos before topics are discussed during class time.
- Students are expected to enter class on Tues/Thursday prepared to discuss the topics covered in videos and come with specific questions related to the material.

Synchronous In-Person Video Discussions in Zoom (approximately 4.50 hours/week)

- **Student attendance is required** for this portion of our class.
- This time will occur during scheduled class time - **Tuesdays and Thursdays at 11:00a -1:15p**.

Grades

The grade for this course will be assigned as follows:



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 /FW	Less than 60%

Make up Policy

- There are no make-up quizzes or exams for this class. All quizzes and exams must be taken on the date they are scheduled for.
- 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, classwork or labs will not be accepted.

Dropped/Replaced Grades

- Lowest In-Class Exercise score will be dropped.
- Lowest Statistics Discussion score will be dropped.
- Lowest Homework grade will be dropped.
- Lowest Quiz grade will be dropped.
- *No Lab grades 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.

In-Class Exercises/Participation (15% of course grade)

Online class participation is key to your success in this class.

In-class exercises will include but will not be limited to sharing lab results, answering questions during lecture, completing in-class worksheets, and quizzes/exams.

Scheduled online class time in Zoom on Tuesday and Thursday will have a short group work component, using Zoom breakout sessions. Group work will be completed during class. Submissions from students who are not in Zoom class when discussed will receive 0 points for that assignment.

Statistics Discussions (in Canvas) (10% of course grade)

Each week, students will be required to participate in online discussions that will cover a variety of timely statistically-related topics.

Labs (10% of course grade)

We will have 3 lab grades through the quarter.

- All grades will be included; no lab grades will be dropped.
- Lab exercises should be completed by teams of 1- 4 students.
- Each lab team will turn in one report per lab per team.
- The grade on these assignments will be the same for all members of each lab team.

Some lab exercises may include a presentation component. *Each member of a lab group should be prepared, if necessary, to turn in or present a completed group lab report when due. Questions regarding lab content and results may be asked on quizzes and exams.*

Homework (25% of course grade)

Homework for each chapter will be submitted online and/or as handwritten upload.

1. Most homework will be submitted online via MyOpenMath.com (accessible through Canvas).
 - MyOpenMath is a free, online homework program that we'll be using to complete and submit online homework assignments. If you have any questions about homework, feel free to come to office hours or e-mail me at meshlisa@fhda.edu.
2. Handwritten work may also be required for some sections. This work will also be submitted via file upload into Canvas.

We'll have approximately 14 homework assignments to be completed.

- All homework is assigned in Canvas and will be due on dates indicated in Canvas.
- Homework must be submitted by the due date/time. No late homework will be accepted.

Homework assignments will be due each week. Deadlines will be noted in Canvas.

If you have homework questions, we'll try to answer them at the beginning of class (time permitting) or during daily office hours. If we cannot answer all questions during class, responses will be posted in Canvas.

Remember, homework help is also available through other tutors in the Student Success Center Online.

Late assignments will not be counted, but students will have the opportunity to open homework assignments for practice after due dates.

Quizzes (15% of course grade)

Quiz dates are scheduled after we cover each chapter and these dates will be set in Canvas.

The lowest quiz grade will be dropped. There are no quiz extensions.

It is understood 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, instead of providing make-ups, your lowest quiz score is dropped.

Midterm Exams (15% of course grade)

We will have 3 midterm exams through the quarter in addition to the final.

- Midterm exams will be administered during class time and/or online outside of class time.
- Links and instructions for each exam will be posted in Canvas.
- 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 in Canvas, we'll set each date firmly at least one week in advance.

It's important to know that you will be held accountable for your work, and you must demonstrate knowledge and proof of your answers, so each Mid-Term Exam will have two components.

- Some percentage of points will come from online score
- Some percentage of points will come from written details. Written details will include at least one of these components:
 - Responses to essay questions
 - Numbered (in order), detailed assumptions/work for each question to support online responses

What happens if you miss a Mid-Term exam?

- I understand that you may be required to miss an exam because of circumstances in life, and our class policy is that there are no late or make-up exams.
- If you do miss an exam, your grade will be recorded as 0 in Canvas then, at the end of the quarter, your final exam will replace this 0 score.

What if you get a really low score on a Mid-Term exam?

- If you don't miss any exams during the quarter, 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 not be replaced by the final exam score, but the next lowest will.

Make sure that you submit your assignments and check that they have been submitted before the due date/time.

We will be using MyOpenMath for homework, quizzes and exams. If your grade for an assessment (homework/quizzes/exams) isn't recorded in the MyOpenMath log, you will not receive any credit for the assignment.

*Please keep your work neatly written and organized.
If I can't read your work or track your logic, you will not receive full credit.*

Final Exam (10% of course grade)

- *Our Final Exam is scheduled to occur on Tuesday, 12/13/22.*
- The Final Exam is mandatory.
 - You will have to take it if you want to get credit for the 10% of your course grade that it represents.
 - *If you miss the final exam without contacting me (your instructor), you will receive a score of 0 on the Final Exam.*
- The Final Exam is cumulative, covering all material in this course (Chapters 1 – 13 in our textbook).
- The Final Exam will be timed, will be administered online, and will last 2 hours.

The Final Exam will have 2 components, online and handwritten.

It's important to know that you will be held accountable for your work, and you must demonstrate knowledge and proof of your answers.

- Some percentage of points will come from online score
- Some percentage of points will come from written details. Written details will include at least one of these components:
 - Responses to essay questions
 - Numbered (in order), detailed assumptions/work for each question to support online responses

Tips for Success in our class.

Participate

- Ask questions. You can always e-mail me or ask questions during discussions or office hours.
- Work with others in this class.
 - Share contact information with classmates and work together.

Prepare

- Read and attempt the notes packs for each Chapter before we discuss them in class.
- Take notes.
- Attend Zoom sessions.

Practice

- Work the assigned homework exercises (+ others!) and share questions.
- Be a meaningful contributor to labs. Don't just let your lab partner do all the work.

Reach out

- Use resources in the Math, Science and Technology Learning Center:
 - <http://deanza.edu/studentsuccess/servicesupdate.html>
 - For individual tutoring sessions:
 - http://deanza.fhda.edu/studentsuccess/mstrc/weekly_ind.html
- Attend our class weekly tutoring.
- Attend office hours. I'm happy to help, and I value your questions.

Calendar of Course Events:

Please use calendar in Canvas to note key deadlines, due-dates, and deliverables.

Class Cancellation:

If I need to cancel class or cannot attend, I'll e-mail you as soon as I can, using announcements via Canvas. Check our Canvas page and email for notices/announcements.

Accommodations for Students with Disabilities:

If you are a student who has been found to be eligible for accommodations by Disability Support Services (DSS), please follow up to ensure that your accommodations have been authorized for the current quarter. If you are not registered with DSS and need accommodation, please go to the DSS office in the Registration & Student Services Building (RSS) (Room 141) for information on eligibility and how to receive support services. You can also go online to <https://www.deanza.edu/dsps/dss/> for additional help.

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.

HEFAS – Resource Center for Undocumented Students:

HEFAS (Higher Education for AB 540 Students) provides free services, reduces financial stress and creates a safe space for all with an emphasis on undocumented and AB 540 students. They are dedicated to building leaders, promoting social justice, and giving students tools to reach higher education regardless of the barriers that may exist. HEFAS provides free services like books and testing materials and connects students to on and off campus resources including tutoring, counseling and legal aid.

Location: ECOT-2

Website: <https://www.deanza.edu/hefas>

Key Dates to be aware of:

- SEPTEMBER 26** Fall classes begin
- OCTOBER 8** Last day to [add classes](#)
- OCTOBER 9** Last day to [drop classes](#) without a W
- NOVEMBER 11** Veterans Day holiday – no classes; offices closed
- NOVEMBER 18** Last day to [drop classes](#) with a W
- NOVEMBER 24...** Thanksgiving holiday – no classes; offices closed
- DECEMBER 12-...** [Final exams](#)

*Our class final exam is scheduled to occur on **Tuesday, 12/13/22.***

Dropping this class:

If a student doesn't attend class during the first 2 weeks of class, they will be dropped from this course by the instructor. After the first two weeks of class, it is each student's responsibility to drop this course.

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.

**Congratulations! You've read our class syllabus.
If you have any questions at all regarding our class, please ask me.
I'm really looking forward working together. 😊**

Planned Calendar (Subject to Change)

Week 1 (9/26 – 10/2)	Introductions Ch 1 – Displaying and Analyzing Data with Graphs
Week 2 (10/3 – 10/9)	Ch 2 – Descriptive Statistics Ch 3 – Populations and Samples
Week 3 (10/10 – 10/16)	Ch 4 – Probability
Week 4 (10/17 – 10/23)	Exam 1 Ch 5 – Discrete Random Variables Ch 6 – Continuous Random Variables
Week 5 (10/24 – 10/30)	Ch 7 – Central Limit Theorem
Week 6 (10/31 – 11/6)	Exam 2 Ch 8 – Confidence Intervals
Week 7 (11/7 – 11/13)	Ch 9 – One Population Hypothesis Tests
Week 8 (11/14 – 11/20)	Ch 10 – Two Population Inference
Week 9 (11/21 – 11/27)	Exam 3 Ch 11 – Chi-Square Tests
Week 10 (11/28 – 12/4)	Ch 12 – ANOVA
Week 11 (12/5 – 12/11)	Ch 13 – Regression Analysis
Week 12 (12/12 – 12/16)	Final Exam (Tuesday, 12/13)

Student Learning Outcome(s):

*Demonstrate mathematical concepts, skills and numeracy needed for understanding Probability and Statistics.

Office Hours:

Zoom

M,T,W,TH

03:00 PM

03:50 PM