

Math 10: Introductory Statistics (MPS), Spring 2021
Mon/Tues/Wed/Thurs, 4:00 – 6:15 pm on Zoom

Instructor: Matthew Lee

Email: leemathew@fhda.edu

Office Hours: Friday 2 pm or make an appointment with me using the following link.

<https://meet-with-matthew.appointlet.com>

Required Materials:

- 1) The online textbook at <https://openstax.org/details/books/introductory-statistics>
- 2) Internet and computer, with access to Google Sheets.
- 3) Notebook, paper and writing tools (graphing calculator optional)

You do not need to purchase anything for this course.

About the Course: Statistics is a mathematical science, and while there are some computations and formulas, most statisticians use technology to handle that. The bulk of the subject lies in the concepts – using statistical language, collecting and processing data, and interpreting results. As a result, you will be doing a lot of *writing* in this course. You will be graded on your explanations as well as numerical answers. Use homework and class to practice this, and please ask questions if there is anything you don't understand.

Furthermore, this course is an MPS course. What does this mean?

MPS courses have an assigned counselor. Khoa Nguyen will be the designated counselor for our class. He will be joining you in the MPS Math 10 class two times a week (Tuesday/Thursday) to check in with you, updating you on your course progress and assisting you with any academic, transfer, career, and personal counseling, as well as MPS related questions. You can chat with Khoa in class or schedule a 1-1 appointment with him if you need anything.

- Email: nguyenkhoa2@fhda.edu
- Phone Number: (650) 427-9217.
- Khoa's schedule: [HERE](#) (*Note: I will update this to include Spring 2021 info*)
- To schedule an appointment with Khoa, visit

<https://www.deanza.edu/mps/our-counselors/index.html>

and click on "Make an Appointment"

Once you schedule an appointment, you will receive an automated confirmation email with the Zoom link to the meeting.

MPS Videos: Please see these short videos below for instructions on how to view my schedule and set up a Zoom appointment with Khoa, as well as learning some of the Zoom tips to help you successfully navigate Zoom (You can watch the video at x1.5 speed 😊)

- [Welcome message from Khoa](#)
- [MPS Counseling Services](#)
- [MPS Zoom Tips](#)

About the Textbook: Our online textbook, Introductory Statistics, was developed by De Anza faculty and it will be our primary resource for homework and projects, as well as reading.

We will not be able to cover 100% of the material in the book during our class time. As such, it is your responsibility to READ each section as needed. I encourage you to read sections more than once, as well as take notes. Any of the material in the textbook is fair game.

Course website: Canvas will be the main hub of information for the course. All course materials will be uploaded and made available as the course progresses, and you will submit most of your assignments through Canvas.

Since our class is online, it is YOUR responsibility to check Canvas often and keep up with course material, announcements, quizzes, and other assignments. You must develop a good habit of checking Canvas regularly if you plan to succeed not only in our class, but your other classes at De Anza as well.

Grades: We will use a standard letter grading system (97-100 A+, 93-97 A, 90-93 A-, etc).

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| <i>Weekly Homework</i> | 15% | <i>Chapter Quizzes</i> | 10% |
| <i>Classwork</i> | 10% | <i>Group Labs</i> | 20% |
| <i>Attendance and Reflections</i> | 10% | <i>Midterm Exams (two)</i> | 15% |
| <i>Final Exam</i> | 20% | | |

Weekly Homework: There are weekly homework assignments, which will use the textbook and are due every *Wednesday* by midnight on Canvas. They will be graded for completeness and correctness. Expect to spend multiple hours per week on problems. If time allows, you will have class time to work together with your classmates on homework.

Homework is 15% of your grade. The lowest score will be dropped.

Classwork: Practice is important in any math class, but especially Statistics. We will collaborate to solve problems practicing what we learn in class during Zoom breakout room sessions. At the end of the week, you will submit part of the classwork you complete to Canvas.

Classwork is worth 10% of your grade.

Attendance and Reflections: Attendance in an MPS course is mandatory and part of your grade. Most of your learning will happen via our synchronous meetings so it is vital you make your best effort to attend every class.

If you anticipate an absence, please communicate with Matthew or Khoa as soon as you can. Should you miss a day (or if you want to review), class meetings will be recorded via Zoom and available on Canvas for you to view.

Chapter Quizzes: We will have timed quizzes on Canvas every week at the end of every chapter. These will be posted on Canvas and are due the day after we finish a chapter. You are welcome to use your notes.

Quizzes are 10% of your grade. If you miss or plan to miss a quiz, please communicate with Matthew or Khoa as soon as you can.

There will also be short reflections due at the end of every week where you will have the opportunity to share your thoughts about what we are learning and what you need additional support on. Since this is an online class, it is vital you do these reflections so that I get a sense of how the class is doing and what needs you have.

Labs: Statistics is about gathering and analyzing data. Roughly once a week, you will do a small in-class lab activity with your group members that demonstrates a statistical concept and practices statistical software, most often Google Sheets.

Stat Labs are worth 20% of your grade. Your group will submit a single assignment to Canvas.

Midterm Exams: There will be two midterm exams, one at the end of April and one in mid-May. You can find the exact dates in the Course Calendar. Both exams are asynchronous take-home exams and are due on Sunday. You may use your notes and resources from our class, but no outside sources are allowed (no Google searches or Wikipedia).

Both midterms together are worth 15% of your grade.

Final Exam: The final exam will be cumulative and will be a take home exam, submitted to Canvas. As with the midterm exams, it is open notes but you may not use sources outside of what we use in class.

The final exam is 30% of your grade. There will be no makeup exam.

Academic Integrity: All students are expected to exercise high levels of academic integrity throughout the quarter. As this is an online class, you are more responsible than ever for your own learning – cheating and plagiarism only hurt your own learning experience and will not be tolerated.

Disability Notice: If you have any special circumstances that you feel may influence your performance in this class (a diagnosed learning disability, physical disability, or anything at all that might interfere with your learning), please email or chat with me privately so that we can best accommodate you and we can create a learning environment that works for you.

If you have technology issues which are preventing you from accessing our course, please let me know ASAP and we will work out a solution together.

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.