

SYLLABUS

Math 10.Q02, Introductory Statistics, Fall 2026

Instructor: Rani Fischer

Email: fischerrani@fhda.edu

Class Hours: Monday, Wednesday & Thursday, 11AM-1:15PM in Room S49

Office Hours: Monday - Thursday 9:30 - 10:30am in Room S55, The Technology Village

Required Materials:

- WORKBOOK ([electronic copy here](#)) FOUND AT THE BOOKSTORE FOR \$25.
- any simple calculator (\$10 in our bookstore) for arithmetic

Non-Required Materials because they are available online free online:

- Official Textbook is [Statistics by Illowsky & Dean](#), ISBN-13: 978-1-947172-05-
- Non-official Textbook is [Inferential Statistics and Probability – A Holistic Approach by Maurice Geraghty](#)
- Statistics Calculators – We will use online statistics alculators found on the Canvas homepage.

Student Learning Outcomes:

- 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.

RULES

1) No cell phones unless we need to look for calculators. Cell phones must be out of sight, not sitting on desks.

2) Allow others to learn. Come prepared to share thoughts and don't distract others during class.

ADVICE

- 1) When you struggle, you are learning. The brain needs to struggle to grapple with new ideas. Don't let AI, Google, or your friends do your thinking for you. Give your brain the time to struggle. If the struggle gets too hard, talk with others, including Rani.
- 2) Take breaks. Your subconscious brain will work and solve problems while you are relaxing, exercising, and not focusing on statistics. Then come back to the work.
- 3) Review what we did in class every night. Try a problem or two from the online HW like what we did in class. Reviewing the same day gives your brain the best chance to absorb material.
- 4) Master the material at least three days before a test. Your brain needs two nights of sleep with review in between to perform under pressure.

Grading: Grading will be based on the following criteria.

Quizzes 11% (11 of them, 1% each)

Midterm Exams 30% (3 of them at 10% each)

Labs 10% (3 of them)

Group Work 15%

Discussions 4%

Online HW 10% (videos of how to do each chapter on Canvas)

Final Exam 20%

* * * * *Grading Scale (points) * * * * *

97% to 100% = A+	93% to 96% = A	90% to 92% = A-
87% to 89% = B+	83% to 86% = B	80% to 82% = B-
77% to 79% = C+	73% to 76% = C	
60% to 69% = D	0% to 59% = F	

Quizzes: We will have one quiz on paper in class per week, usually on Wednesday. You will have 20 minutes to complete it. I will try to tell you what it will be on the day before. All the questions will come from homework or group work. I will drop the lowest two scores.

Group work: THESE MUST BE HANDWRITTEN on paper by each person INDIVIDUALLY. You may talk with anyone about it and share ideas; however, if I find that you are copying word for word without thinking on your own, I will not be pleased. Canvas will drop the lowest two scores.

Online Homework: The online HW is under Assignments (scroll all the way down) on Canvas. Even if you turn it in late, you will get full points for it, though it is best to do it when it is due so that you get the practice before you are tested. You can find a video of me doing each online HW assignment on Canvas homepage, VIDEOS.

Discussion: Each week I will post a topic on the Discussion board on Canvas. You will get points for participating constructively on these discussion topics. Each discussion will be due every Saturday midnight.

Exams: There will be 3 midterm exams and a final exam during the quarter given on Canvas. Your lowest exam score will be dropped. There will be a flexible 3-day window to complete each exam. **There are no make-up exams.**

Final Exam will be on Monday, Dec 7, 11:30AM-1:30PM

Labs: We will have three labs which may be submitted AS A GROUP. Computer labs can be done in groups of no more than four people for a common grade and be turned in by the due date.

Adding/Dropping: If you choose not to complete the course, it is YOUR responsibility to officially drop or withdraw from the course by the deadline date.

Attendance: By state law attendance cannot be part of your grade. However, I will take attendance at every class until Census Day, October 5.

Other Information: All students are expected to understand the college policy on cheating as outlined in the student handbook. **Plagiarism (submitting another's work as your own) will result in an immediate failure for the course for your entire group.**

If you feel that you may need an accommodation based on the impact of a disability, you should contact me privately to discuss your specific needs. Also, please contact [Disability Support Services](#) for information or questions about eligibility, services and accommodations for physical (DSS), psychological (DSS) or learning (EDC) disabilities.

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Office Hours:

9:30 AM - 10:30 AM

S55 M,T,W,TH