

Math 10 – Statistics – Spring 2021 Syllabus

CRN: 42230 & 47389

Instructor: Rani Fischer

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Office Hours:

Monday, Tuesday, Thursday after class & Friday 10:30 AM - 12:20 PM

Required Materials: Textbook – *Inferential Statistics and Probability* by Geraghty. The [online text](#) is free; a hard copy of the text is available from the [bookstore](#) for copying costs.

Calculator – We will use some online calculators, so no need to buy or rent anything.

Access to a computer; we will be using Zoom, Canvas, Google Docs and Minitab and other online material. Course topics, homework, exam information, handouts, data sets, and other information will be posted on the website or in Canvas.

Grading: Grading will be based on the following criteria.

Grading Criteria

Quizzes 10%

3 Midterm Exams 30%

Labs 10%

Group Work 10%

Discussions 5%

Online HW 20%

Final Exam 15%

****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	

Daily Quiz: At the end of almost every class we will have a ten-minute quiz. Almost always I will put you in groups so that you can compare answers in your group.

Group work: There will be 2-3 group work sets that will be due each Saturday night. THESE MUST BE HANDWRITTEN on paper, photographed, and scanned onto Canvas 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.

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 points for it, though it is best to do it when it is due so that your questions don't snowball.

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

Exams: There will be 3 midterm exams and a final exam during the quarter given on Canvas. Each of these three exams is worth 50 points. 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.**

Labs: We will have three labs which will 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: This online class will be given **synchronously** meaning that we will meet online at the scheduled class times. We will also have in-class time for group work and labs. I will try to record short videos for you to watch prior to class so that you can take your time absorbing new ideas, but I will go over it in class.

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.**

Read the **Frequently Asked Questions** ([Links to an external site.](#)) on the website for other policies and procedures.

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 \(Links to an external site.\)](#) for information or questions about eligibility, services and accommodations for physical (DSS), psychological (DSS) or learning (EDC) disabilities.

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.