Math 10 – Statistics (MPS) – Winter 2021 Syllabus

Instructor: Rani Fischer
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Office Hours: Monday, Tuesday, Thursday after class & Friday 10:30AM - 12:20PM

MPS Counselor: Alma Garcia
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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.

Workbook to go with textbook – you will receive in the mail from the De Anza bookstore.

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 other online material. Course topics, homework, exam information, handouts, data sets, and other information will be posted on the website or in Canvas.

Grading:

Quizzes 10%
Exams   50%
Labs   10%
Group Work   15%
Discussion   10%
Online HW 5%

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

97% to 100% = A+	90% to 96% = A
87% to 89% = B+	80% to 86% = B
77% to 79% = C+	70% to 76% = C
60% to 69% = D	0% to 59% = F

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

Group work: There will be weekly group work during the course that will be graded. Group work will be submitted individually in Canvas even though you will work on it as a group. <u>All group work for the week is due Saturday midnight,</u> but I recommend you turn it in as soon as possible in the week.

Homework: The HW is online on Canvas and also whatever group work is not completed by Sat midnight.

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

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 4-day window to complete each exam. **There are no make-up exams.** The **final exam will be administered on March 24, at 9:15am**, which is earlier than our regular class time.

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 January 18, 2021.

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 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.