Math 10 – Statistics (Secs 32 and 35) – Winter 2022 Syllabus

Instructor: Maurice (Mo) Geraghty   **Office Hours:**   M   12:30PM-1:20PM
Email: geraghtymo@fhda.edu   Tu   12:30PM-1:20PM
Text/Phone: (415) 610-5911   W   11:30AM-12:20PM
Website: http://nebula2.deanza.edu/~mo   Th   9:30AM-10:30AM
          http://professormo.com (mirror)

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 online for copying costs.

Calculator – Scientific Calculator is sufficient. Cell phone calculators are ok.

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: Grading will be based on the following criteria. **Grades are not negotiable.**

* * * * * * * * * *Grading Scale (points) * * * * * * * * *		Grading Criteria	
97% to 100% = A+	90% to 96% = A	Exams:	30%
87% to 89% = B+	80% to 86% = B	Final:	24%
77% to 79% = C+	70% to 76% = C	Labs:	18%
60% to 69% = D	0% to 59% = F	Group work	14%
		Discussion	14%

Homework: Homework will be assigned, but will not be graded. It is expected that you do the homework to understand the topics on both the labs and the exams.

Group work: There will be several unscheduled group activities during the course that will be graded. Group work will be submitted in Canvas.

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

Exams: There will be 4 midterm exams during the quarter given on Canvas. Each of these three exams is worth 10% of the grade. 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: You will use Minitab and other statistical software in analyzing data, learning statistical models and working on the class material. 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.

Final: The final will not be an exam, but will be individual, one-on-one assessments where you will be asked to explain a research report. The research reports will be different for each student and you will meet with me for about 10 to 15 minutes on Zoom to demonstrate an understanding of the concepts covered in class.

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 synchronous meaning that we will meet online at the scheduled class times. We will also have in-class time for group work and labs. I plan to record each lecture part of the class,

Changes: Information in this syllabus may be changed during the quarter, but you will be informed in advance.

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 (864-8753) or Educational Diagnostic Center (864-8839) 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.