# Math 10 – Statistics (MPS) – Fall 2020 Syllabus – CRN 24845

**Instructor:** Rani Fischer
**Email**: fischerrani@fhda.edu

**Office Hours:**

Monday 12:30 -1:20 PM

& Wednesday 9-10 AM

& 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 – Minitab software OR Scientific Calculator is sufficient. Cell phone calculators are ok. You can also use the **TI 84 Graphing Calculator Emulator** (free for 6 months)

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%
Exams 50%
Labs 15%
Group Work 15%
Discussion 10%

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

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|---|---|
| 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:** At the start of almost every class we will have a ten-minute quiz. You will start it on Canvas alone, and as I put you in breakout rooms manually in Zoom, you will then work on the quiz as a group.

**Homework:** Your homework is to complete Group Work with your group if you don't finish in class. Online HW is optional and extra credit. For every chapter of online HW you complete, you will get one additional point on your final exam.

**Group work:** There will be several group activities during the course that will be graded. Group work will be submitted in Canvas. All group work for the week is due Friday midnight, but I recommend you turn it in as soon as possible in the week.

**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:** You will use Mintab 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. We will try to do a lab every Tuesday. You have one week to finish each lab, so your labs will always be due on a Tuesday before 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 **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.**

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.