# Math 10 – Statistics MPS – Winter 2019 Syllabus

**Instructor:** Maurice (Mo) Geraghty  **Office Location/Phone:** S-49A  (408) 864-5383
**Email**:    geraghtymo@fhda.edu  **Office Hours:**    M   8:45-9:35PM (in E34)
**Website**:    http://nebula2.deanza.edu/~mo           Tu,Th  3:00-3:50PM (in S49A)
       http://professormo.com (mirror)           W   1:30-3:00PM (in LCW110)

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

Calculator – Scientific Calculator is sufficient. **Cell phone calculators are not allowed on exams.**

Access to a computer outside of class; we will be using the computer lab and Minitab. Also, you will need an e-mail address and access to the Internet. Course topics, homework, exam information, handouts, data sets, and other information will be posted on the website.

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

| * * * * * * * * * *Grading Scale (points) * * * * * * * * * | | | Grading Criteria | |
|---|---|---|---|---|
| 485 - 500 = A+ | 465 - 484 = A | 450 - 464 = A- | Exams: | 200 pts |
| 435 - 449 = B+ | 415 - 434 = B | 400 - 414 = B- | Final: | 100 pts |
| 375 - 399 = C+ | 350 - 374 = C | 325 - 349 = D+ | Labs: | 110 pts |
| 300 - 324 = D | 0 - 299 = F | | Homework: | 44 pts |
| | | | Groupwork: | 46 pts |

**Homework:**  Completed Homework must be turned in by the due date, but should be completely daily. Homework assignments will be posted on the website. **There is no credit for late homework**.

**Group Work:**  There will be group work given out in class. **There is no credit for group work turned in after the due date.**

**Exams:**  There will be two exams during the quarter. Your final exam will replace your lowest scoring exam if it improves your grade. **There are no make-up exams.**

**Final Exam:**  The final exam will be given on the final exam date shown on the calendar.

**Computer Lab:**  Lab classes will be held in the math computer lab: S44. 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 email on the due date. **There is no credit for late labs received after midnight on 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. **I will not sign late drop or withdrawal forms.**

**Attendance:** See MPS contract for attendance policies.

**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) could result in an immediate failure for the course.**

Read the **Frequently Asked Questions** on the website for other policies and procedures.

Cell phones and pagers should be turned off.  Please arrive on time and stay the entire period.
Read the **Frequently Asked Questions** 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 (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.