Math 10-MP3: Elementary Statistics and Probability
Winter 2019

Instructor: Kelly Lundstrom
Course Info: Math 10 – MP3, MTWThF 9:30 AM –11:20 AM, Room E31
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Office: PE41h
Office Hours: Monday – Thursday 8:50-9:20 AM & 1:30–2:00 PM in PE41h

Textbook & Required Materials:
- Textbook: Inferential Statistics and Probability by Geraghty. Free PDF will be emailed and posted on our Canvas class site.
- Workbook: Inferential Statistics and Probability Workbook: A Holistic Approach by Bambhania and Geraghty (will be provided to you, free of cost!)
- Graphing Calculator: TI-83/TI-83+/TI-84/TI-84+ recommended (no cell phone calculators allowed!)

Grades: I will use Canvas to update grades regularly throughout the quarter. You should check your grade at least once a week. Go to deanza.instructure.com to log in and check your grade!

A *weighted* grading scale will be used as follows:

Homework (10%): Homework will be assigned from the textbook. When writing up your homework, you must label the section and put the assigned problems at the top of the page. Problems must be numbered, so that I can follow, and if problems require any work, it must be shown to get full credit. Homework will be turned in for each chapter. Due dates and homework assignments will be posted to Canvas. _Late homework will not be accepted._ Do not fall behind on homework. It is vital that you work on math homework each night to guarantee your success. Homework will be graded on both completion and correctness.

In-Class Participation (5%): Your attendance and punctuality will be required and rewarded! Expect a 60 second question at the start of most classes that you must complete and turn in for points. These will be on material covered in the previous lesson, so study your notes and complete homework before coming to class to be prepared. You will be allowed to work with one partner if you choose. Additionally, you will have group activities during class that will also count towards this category. _Missed in-class activities cannot be made up, regardless of your reason for missing class._

Labs (15%): We will be using R, a free, open-source and very powerful statistical software tool for in-class labs in the computer lab. It is recommended that you download R on your home computer as well, if possible, from this link: https://cloud.r-project.org/. Labs may be done in groups of up to three people. Late labs will not be accepted.

Quizzes (10%): Announced quizzes will occur throughout the semester to test your skills on the concepts we are covering in class. You may use a 3" by 5" note card of notes (both sides), and you will need a calculator. Some quizzes may be take home. _NO make-up quizzes will be given, and a_

missed quiz earns a zero. I will drop your lowest quiz score.

Exams (40%): There will be two in-class exams during the quarter. You may use a half sheet of notes (both sides), and you will need your calculator. These exams will be completed in class and will contain the material covered during class. If you are unable to take an exam for any reason, **a makeup exam will not be given**. A missed exam earns a zero. I will replace your lowest midterm exam with the percentage of your final exam, provided it is higher.

Final Examination (20%): There will be a comprehensive final examination on **Tuesday, March 26 from 9:15 – 11:15 AM.** You may use a full sheet of notes (both sides) and you will need your calculator.

Letter Grade Earned:

A+: 98 – 100%	B+: 87 – 89%	C+: 77 – 79%	D: 60 – 69%	F: 0 – 59%
A-: 93 – 97%	B: 83 – 86%	C: 70 – 76%		
A-: 90 – 92%	B-: 80 – 82%			

Tutoring Services: The De Anza campus has a free tutorial center in S-43 for math students where students can get "drop in" help or make appointments with a tutor. Also, there are specific MPS tutors available for free in the MPS center in S-41. Additionally, I am very glad to help you in office hours. Please use your resources!

Student Conduct: Do not cheat. If you have a question during a test, you are only allowed to talk to the instructor. Anyone caught cheating on an exam will receive an automatic zero and be reported to the Dean of the PSME Division.

Classroom Behavior: Please do not use cell phones during class. I do not want to hear or see them. If you must answer a call, please leave the room to do so.

Attendance: Students are expected to attend every class meeting and be on time. Missing even one day will cause you to fall behind. If you miss a day, it is your responsibility to seek out another student or myself to find out what you missed. You should always email the teacher ahead of class if you are to miss a class.

Important Dates:
• The last day to add classes is Saturday, January 19.
• The last day to drop for a full refund no record of grade is Sunday, January 20.
• The last day to request pass/no pass grade is Friday, February 1.
• The last day to drop with a "W" is Friday, March 1.

Disabled Services: Please contact Disability Support Programs and Services (DSPS) if you have any physical, psychological or other disabilities, and also notify me privately. DSPS is located in ATC-209. **Any student needing accommodations must supply a written verification/exam form and give me at least 48 hours notice**. I am happy to accommodate your needs.

This syllabus is subject to change at the instructor's discretion. Changes will be announced in class and on Canvas.

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.