

Math 10-27 - Elementary Statistics and Probability

Instructor: Vinod Sastry

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Office Hours, Location: Mondays, Wednesdays 3:45 - 4:45 pm at E37

FINAL EXAM: Monday, March 25th from 1:45 - 3:45 pm

MIDTERM 1: Wednesday, February 6th in class.

MIDTERM 2: Monday, March 4th in class.

Prerequisite(s): MATH 114 or equivalent with a grade of C or better; or a qualifying score on the Intermediate Algebra Placement Test within the past calendar year.

Textbook: *Introductory Statistics*. Douglas Shafer and Zhiyi Zhang. (Online text)

<https://open.umn.edu/opentextbooks/textbooks/introductory-statistics>

I may supplement with some additional material.

Additional Materials:

You will need TI 83/ plus or TI 84/ plus calculator. All methods of using calculators will be demonstrated in class.

Structure/Grading of Course:

Final = 30%	90-100% = A range
2 Midterm Exams = 40%	80 - 90% = B range
Homework = 20%	70 - 80% = C range
Attendance/In-Class Work = 10%	60 - 70% = D range
	<60% = F

Note: Grading Scale May Change According to Students' Overall Performance!

Exam Protocol:

1. TI Calculator. (NO CELL PHONES WILL BE ALLOWED TO BE USED AS A REPLACEMENT FOR CALCULATORS)
2. No notes - some formulas may be provided for you.
3. No phones - all backpacks and phones (TURNED OFF/SILENCED) at the front of the class
4. No makeup exams.
5. Pen or Pencil is ok.

Some Important Dates:

- **January 19th** - Last day to [add classes](#) for winter quarter
- **January 20th** - Last day to drop classes for full refund or credit/Last day to [drop classes](#) with no record of "W"
- **March 1st** - Last Day to [Drop](#) with a "W"

Add Codes will not be given until the middle of week 2, if there is space!

Homework: Selected problems from the book. You will need a TI 83, 84 type calculator to do some of the computations (not all of them though!). Turn in every Monday in Class, **stapled** with your name and Id on it. Late homeworks will not be accepted.

Academic Integrity: It is expected that all students will pursue their studies with integrity and honesty; however, all students should know that incidents of academic dishonesty like cheating and plagiarism are taken very seriously. Students involved in cheating will be dropped and get F for the course. Further disciplinary action by administration will follow. For details see https://deanza.edu/policies/academic_integrity.html

Schedule:

Week 1: Additional Material on Sampling (from lecture), Chapter 1, start Chapter 2

Week 2: Chapter 2, Chapter 3

Week 3: Martin Luther King day (holiday), start Chapter 4

Week 4: Chapter 4, Chapter 5

Week 5: Remainder 5/Review, Midterm 1

Week 6: Chapter 6, Chapter 7 beginning

Week 7: President's Day (holiday) Chapter 7 remainder

Week 8: Chapter 8, Review

Week 9: Midterm, Chapter 9

Week 10: Chapter 10

Week 11: Chapter 11

Some other comments:

- Our Course website will be through CANVAS. The Written Homework Assignments, and other updates will be posted there.
- Try and do work regularly rather than procrastinate. You are more likely to enjoy the work, and do better in class this way. Cramming doesn't work that well in math! Khan Academy is a useful online resource for additional help. So is my office hours!

Look forward to getting to know you guys through the quarter!

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.