

Math 10: Elementary Statistics – Spring 2017

Mon. – Thur. 1:30–3:45 in E-32

Instructor: Cheryl Jaeger Balm Office Hours: Tues. & Thur. 9:40–11:20 in S-41
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Class Website: The class syllabus, calendar, homework and other materials will be posted on the class web site at http://www.deanza.edu/faculty/balmcheryl/math10mps_spring17.html. **Bookmark it and check it often!**

Textbook and Required Materials:

- **Collaborative Statistics by Illowsky and Dean; 2nd Ed.** A PDF is available for free at <http://cnx.org/donate/download/5e0744f9-9e79-4348-9237-ed012213a2d6%4040.9/pdf>.
If you plan on printing the entire book, please see me to borrow a copy of the text instead.
- **Graphing calculator**, TI-84, TI-84+, TI-83 or TI-83+ are strongly recommended.
You can rent a TI-83+ for \$10 per month from rentacalc.com.
- **Course packet in binder**, Available in the bookstore. Bring this to class with you every day.
- **Small ruler and stapler**

Student Learning Outcomes

1. 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.
2. Identify, evaluate, interpret and describe data distributions through the study of sampling distributions and probability theory.
3. 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.

This is a collaborative class. You will be expected to work with your classmates both inside and outside of class (no exceptions).

Attendance: Regular, punctual attendance at all class meetings is expected. Students absent during the first week of class will be dropped unless they contact the instructor. Each tardy of more than 5 minutes will count as half an absence, as will leaving class more than 5 minutes early without instructor approval. **A student may be dropped from the class if absent the equivalent of 4 times, no matter what the reason(s).**

Labs: Lab assignments are done in groups. You will not be able to complete most labs in class. There are 5 lab assignments are worth 20 points each. You will have 5 points deducted if you are absent the day that the lab data is collected and worked on in class.

Projects: There are two group projects worth 50 points each. Projects must be **typed and stapled**.

Homework: Homework is assigned by textbook section (mostly) and will be collected 12 times during the quarter. Due dates are on the calendar. Each assignment is worth 10 points. HW should be worked on **every night**, not just the night before it's due! Do the practices first, then do the HW problems assigned for that day. Do not fall behind! Credit will not be given for answers only, so show all your work. Graphs must be done with a ruler, **problems must be in order**, and homework must be neat and **stapled**. You may turn in ONE assignment ONE day late ONCE during the quarter. Otherwise, late homework will not be accepted for full credit.

Exams: Four exams will be given worth 100 points each. Exam dates are on the calendar. **No make-up exams will be given for any reason.** You may bring to the exam one standard sheet of paper (both sides) of **handwritten** notes and a calculator.

Final Exam: There will be a 2-hour final exam worth 150 points on **Tues., June 27, 1:45–3:45**. The exam is comprehensive. You may use two standard sheets of paper (both sides) of **handwritten** notes and a calculator. At the end of the quarter, your final exam will replace your lowest exam score, if the final exam score is higher (as a percentage).

| Assignments | Points | Total points | Percent | Grade |
|---------------------------------|--------|--------------|-----------|-------|
| Exams (4 @ 100 points) | 400 | 783-870 | ≥ 90 | A |
| Final exam | 150 | 696-782 | ≥ 80 | B |
| HW assignments (12 @ 10 points) | 120 | 609-695 | ≥ 70 | C |
| Labs (5 @ 20 points) | 100 | 522-608 | ≥ 60 | D |
| Projects (2 @ 50 points) | 100 | | | |

How to get help: Don't wait until you're drowning to ask for help! Students may receive assistance from me during office hours or by appointment. Please come by for help or to talk about your grade. That is what I am there for! Tutors are also available in S-43 and through the MPS program. Any student whose grade falls below 75% will be required to attend tutoring.

Other:

- Homework, labs and projects are due at the start of class (first 5 minutes) on their due dates. Otherwise they are late. Late labs and projects will not be accepted.
- If you have any questions regarding your grade on any assignment, you must discuss the matter with me as soon as possible. Once the assignment has left the classroom, no grading changes will be made.
- Cell phones and other devices should be turned off or set to **silent** during class. Your phone is not your calculator. If I see it or hear it, it may be confiscated until the end of class.
- Disruptive talking and other interruptions during class will not be tolerated.

Academic Integrity: Academic dishonesty will not be tolerated. If a student is found cheating and/or copying on any assignment, test or quiz or violating any other code of academic integrity, he or she will receive a 0 on the assignment and may be reported to the PSME Dean.

Disability Statement: De Anza College makes reasonable accommodations for people with documented disabilities. Please notify Disability Support Programs and Services (DSPS) if you have any physical, psychological or other disabilities, vision, hearing impairments or ADD/ADHD. DSPS is located in ATC-209. Phone number: 408-864-8407 . Website: <https://www.deanza.edu/dsps/>