MATH 119 — SPRING 18

Contact Information

- **Instructor:** Christopher Godbout
- **Email:** cgodbout@sdccd.edu
- **Office:** MS-333
- **Student hours:**

Monday	9:30am to 10:30am
	4:00pm to 5:00pm
Tuesday	8:00am to 9:00am
Wednesday	9:30am to 10:30am

Extra Help

You are strongly encouraged to work collaboratively in small groups. You should try to work together both inside of class as well as outside of the classroom. If you are having any difficulty with the material please use

- My office hours (L-205)
- City College Tutorial Center
- Math Center (L-208)

Textbook

This class will be using *Beginning Statistics* 2nd edition by Warren, Denley, and Atchley.

Cell Phone Policy

There is a very strict no cell phone policy during lectures. Your phone should be invisible and silent. If your phone accidentally makes a noise, you'll be forgiven once per class. If you deliberately use your phone in the classroom, you will get 5 points off of the next exam.

Contents

List of Topics

The following schedule is my current plan. We may spend more or less time on different topics as needed. I will try to stick this schedule, though.

Week	**Topics**
August 20–24	Section 2.1
August 27–21	Sections 2.2 and 2.3
September 4–7	Sections 3.1 and 3.2
September 10–14	Sections 3.3 and 3.4
September 17–21	Sections 4.1 and 4.2
September 24–28	Review and **Exam 1**
October 1–5	Sections 4.3-4.5
October 8–12	Sections 5.1 and 5.2
October 15–19	Sections 5.3, 6.1,6.2
October 22–26	Sections 6.3-6.5
October 29–November 2	Sections 7.2 and 8.2
November 5–9	Review and **Exam 2**
November 12–16	Sections 8.3, 8.4, 9.2
November 19–23	**Thanksgiving Break — No Classes**
November 26–30	Sections 9.3, 9.4, and 10.1
December 3–7	Sections 10.3 and 10.4
December 10–17	Review and **Exam 3**

Course Prerequisite and Advisory

MATH 096 with a grade of ”C” or better, or equivalent or Assessment Skill Level M50

Hawkes Learning

The online homework system for this course will be Hawkes Learning. We will discuss this more during our first class.

Blackboard

MyMathLab is only used for homework. All announcements, handouts, and grades will be on blackboard. It costs you nothing and you are automatically enrolled in this class’s blackboard course. If you have not used it before, here is the information you’ll need:

- URL: `https://sdccd.blackboard.com`
- Username: Your CSID
- Default password: Your birthday. So if you were born on July 4, 1920 your default password would be 07041920

Grading

Homework (25%)

All homework will be done through Hawkes Learning. I will be dropping the lowest 3 homework assignments.

Quizzes (10%)

Expect a quiz every week. Makeups will not be given, even if the absence is excused. I will drop the lowest 2 quizzes.

Participation (5%)

In this class, we will be using Plickers (an alternative to clickers) for participation. There will be multiple questions asked each day. At the end of the semester, your participation grade will be the total number of questions you answered divided by the total number of questions asked.n

Exams (60%)

There will be 3 in-class exams throughout the semester (including the final exam). Any make-up requires valid documentation and must be taken within 1 week of the missed exam. The final exam is *not* cumulative. The tentative schedule is as follows. For classes that meet on MW, your exam is the earlier day.

	Dates	
	Monday-Wednesday	Tuesday-Thursday
Exam 1	October 1	September 27
Exam 2	November 13	November 8
Exam 3	December 17	December 13

I do not drop the lowest exam grade. Period.

Grading Scale

The final grade will use the following weights

Category	Weight
Homework	25%
Quizzes	10%
Participation	5%
Exams	60%

The final percentage will be converted to a letter grade using the following cutoffs

Grade	Cutoff
A	90%
B	80%
C	70%
D	60%
F	0%

Attendance

Attendance will be taken on a daily basis. You will have more success if you attend every class session. Each class session builds upon the work produced in the previous sessions, so regular attendance helps you succeed. Excessive absences, more than 2 missed classes, can result in your enrollment being canceled. Absences in excess of 4 classes may result in a drop. In the event of an absence, you are responsible for:

- all material covered
- any schedule changes or class announcements

Classroom conduct

Class time is valuable. You are expected to be courteous to each other and to the instructor. You will be asked to leave the class for display of behavior the instructor deems as disruptive to the class environment.

Academic integrity

Students are expected to be honest and ethical at all times in their pursuit of academic goals. Students who are found in violation of district Procedure 3100.3, Honest Academic Conduct, will receive a F grade on the assignment in question and may

be referred for disciplinary action in accordance with Procedure 3100.2, Student Disciplinary Procedures.

Office of DSPS

Students with verified disabilities who may need academic accommodations should contact the instructor as soon as possible. In order to coordinate with the Disabled Student Programs and Services office to identify appropriate accommodations, go to `http://www.sdcity.edu/dsps/`

Course Description

This course covers descriptive and inferential statistics. The descriptive portion analyzes data through graphs, measures of central tendency and spread. Other statistical practices utilize basic probability, binomial and normal distributions, estimation of population parameters, hypothesis testing, linear regression and correlation. Analytical reading and problem solving are required for success in this course. This course is intended for students interested in statistical analysis or need a transfer math course.

Student Learning Outcomes

Students will learn the basic techniques for analyzing and presenting data with graphical means and computations of central tendency and spread. Associated objectives include:

1. Organize qualitative and quantitative data into meaningful charts and graphs.
2. Analyze data by comparing and contrasting graphs.
3. Evaluate measures of location, central tendency and variation.

Students will learn the basics of probability theory and apply the knowledge in data analysis and problem solving in inferential routines. Associated objectives include:

1. Evaluate probabilities using a variety of computational methods.
2. Evaluate probabilities using a variety of distributions.

3. Apply the Central Limit Theorem to sampling distributions.
4. Use estimation techniques to determine confidence interval and sample size.
5. Use estimation techniques to determine confidence interval and sample size.
6. Perform and analyze hypothesis tests of means and proportions using both one-and two-sample data sets.
7. Evaluate correlation to determine the appropriateness of regression models.
8. Compute suitable regression models.

A bear!

Figure 1: Oh, no! Run!