

Course Syllabus

Math 15, Elementary Statistics

Section 4623, Spring 2022

Course Description

Exploration of concepts in statistics, descriptive statistics, probability theory, Central Limit Theorem, estimation of population parameters from a sample, hypothesis testing, correlation and linear regression, introduction to analysis of variance, and computer simulations.

Corequisites/Prerequisites: Concurrent Enrollment in Math 215

Course Outline and Student Learning Outcomes

A course outline and student learning outcomes (SLOs) for Math 15 can be found at the following URL:

https://portal.santarosa.edu/srweb/SR_CourseOutlines.aspx?CVID=48790&Semester=20195Links to an external site.

Instructor Contact

- **Instructor:** Chad Griffith
- **Office Hours Kunde Hall 113:**
 - MW 4:45 – 5:45 PM
- **Email:** cgriffith@santarosa.edu
- **Class Location:**
 - Bussman Hall Room 1454
- **Class Times:** MW 7:00PM – 9:00 PM (Math 215 immediately precedes this class from 6pm - 7pm)

Required Materials

Textbook:

- Lock Statistics: Unlocking the Power of Data Third Edition by Lock w/ WileyPLUS (Online text accessed through Canvas).
 - The textbook can be purchased through the campus bookstore or through Canvas by clicking on a WileyPLUS content link.
 - Your subscription to WileyPLUS includes an e-Textbook, online homework service, instructional videos, as well as many other resources.
 - WileyPLUS access is required. You are not required to have a physical copy of the textbook. Though it a nice addition for those that like paper textbooks.

- Course Workbook (not available at SRJC bookstore)
 - Throughout the course we will work problems in class from the course workbook. I provide a PDF copy of the workbook in the 'Welcome to Elementary Statistics' module on the Canvas home page.
 - It is recommended that you print out copies of the workbook pages and bring them to class, as the workbook pages will make up the majority of our notes throughout the semester.

Required Technology:

- A computer with an internet connection is required:
 - You need to access the Canvas course shell regularly.
 - You will need to use [StatKey. \(Links to an external site.\)](#) An online statistical software package that works through your internet browser.
 - You need to be able to work with the WileyPLUS online environment which will be accessed through the Canvas course shell.
 - You need a Google account. Google accounts are free. We will use Google Sheets and Google Docs.
- You need a TI-84 calculator (a TI-83 calculator is also acceptable, but requires a little more work).
- You'll need a scanner or scanner app to complete homework. A scanner app for your phone will work well. You must upload assignments as **one single .pdf file that is small in size (less than 2 MB)**.

There are free apps for your phone that let you scan multiple-page documents as a single pdf file. Here are links to a few options:

iphone:

- [genius scan](#)
- [adobe scan](#)

android:

- [adobe scan](#)
- [clear scan](#)

Exams

Three midterm exams and a final exam will be given. The final exam is cumulative. At the end of the semester I will drop your lowest midterm exam score. Here is the exam schedule:

- Midterm 1: Tentatively Scheduled for Monday February 28
- Midterm 2: Tentatively Scheduled for Wednesday April 6
- Midterm 3: Scheduled for Wednesday May 11
- Final Exam: The final exam is scheduled for Monday May 23 at 6PM

If COVID-19 interferes with our ability to meet in-person, alternate arrangements will be made for taking the exam(s).

Homework

Homework will be assigned each class. In general, late homework is not accepted. In rare circumstances, such as an emergency, an extension of the due date may be provided.

Getting Help

Free tutoring services are available at the [SRJC Tutorial Center](#)[Links to an external site.](#) and the [Math Tutoring Lab](#)[Links to an external site.](#) I am available during office hours and by email for any math or course related questions.

Grading Policy

Student semester grades are based on performance in each of the categories shown in the table below. At the end of the semester, a final score is determined by weighting the category scores with the percentages given.

<u>Category</u>	<u>Percentage of Semester Grade</u>
Math 215 Completion	You must pass Math 215 (our corequisite course) to pass this class
Problem Sets	25%
Two Best Midterm (scores)	50% (25% each)
Final Exam	25%

The final semester score is converted to a letter grade for the semester using this scale.

A: 90 or better

B: 80 – 89

C: 70 – 79

D: 60 – 69

F: less than 60

Credit/Non-credit students need a minimum C grade (70) for credit.

Attendance Policy and Drops:

Sonoma County Junior College District attendance policy is as follows. *Students are expected to attend all sessions of the course in which they are enrolled. Any student may be dropped from any class when that student's absences exceed ten percent (10%) of the total hours of class time.* ^[1]_{SEP}

If you decide to discontinue this course, it is your responsibility to officially drop it. Do not assume the instructor will drop you automatically.

Standards of Conduct

Students who register in SRJC classes are required to abide by the SRJC Student Conduct Standards. Violation of the Standards is basis for referral to the Vice President of Student Services or dismissal from class or from the College. See the [Student Code of Conduct](#)[Links to an external site.](#).

Tentative Course Schedule

Course Schedule

WEEK	TOPIC
Week 1	Introduction to Class Section 1.1 & 1.2
Week 2	Section 1.3 & 2.1
Week 3	Section 2.2 & 2.3
Week 4	Section 2.4 & 2.5
Week 5	Section 2.5 & 2.6
Week 6	Washington's Day and Section 3.1
Week 7	Exam 1 & Section 3.2
Week 8	Section 3.3 & 3.4
Week 9	Section 4.1 & 4.2
Week 10	Section 4.3, 4.4, & 4.5
Week 11	Section 5.1 & Midterm 2
Week 12	Section 5.2 & 6.1
Week 13	Section 6.2 & 6.3
Week 14	Section 6.4 & 7.1
Week 15	Section 7.2 & Section 8.1
Week 16	Section P.1 & Midterm 3
Week 17	Section P3 & P.4 and Review
Finals Week	Final Exam