

# Math 15 – Section 5414

## Elementary Statistics, SRJC Spring 2019

**Instructor:** Chad Griffith

**Office:** Bussman 1484

**Office Hours:** MW 3:00 – 3:40 PM and MW 6:00 – 7:00 PM (or by appointment)

**Email:** cgriffith@santarosa.edu

**Phone:** (707) 521 – 6937

**Class Location:** Bussman 1454

**Class Times:** MW 4:00 – 6:00 PM

### 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.

**Prerequisites:** Completion of Math 154 or Math 155 or higher; or Qualifying placement from math assessment.

### Course Outline and Student Learning Outcomes

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

[https://portal.santarosa.edu/SRweb/SR\\_CourseOutlines.aspx?CVID=37479&Semester=20177](https://portal.santarosa.edu/SRweb/SR_CourseOutlines.aspx?CVID=37479&Semester=20177)

### Textbooks:

- Lock Statistics: Unlocking the Power of Data Second Edition by Lock w/ WileyPLUS (Online text accessed through Canvas).
- The textbook is on reserve at the Doyle Library. Call number: **QA276.12 .L63 2017**
- Course Reader (Available in pdf format through Canvas)

### Required Technology:

You do need a graphing calculator. The TI-84 is recommended as it is the model that will be demonstrated in class. The TI-83 will work, but will require more work of you (such as programming functions the TI-83 does not have). The TI-Nspire is another choice that works well. You are expected to have your calculator at every class meeting and exams. In addition, we will be using an online homework service, so a student must have access to the internet (either at home or on campus) to do the required homework.

### Exams

Two midterm exams and a final exam will be given. The final exam is comprehensive. You must take the final exam to pass the course. At the end of the semester I will replace a student's lowest midterm exam score with the final exam percentage, if it helps. Missed midterm exams cannot be made up. If the student provides a reasonable, verifiable excuse for missing an exam, then the exam score can be replaced by the final. Missed, unexcused exams count as zero points and will not be replaced by the final. If you know in advance that you cannot possibly make it to an exam, please contact me. Alternative arrangements for taking an exam are sometimes possible.

- Midterm 1: Scheduled for Monday March 4<sup>th</sup>
- Midterm 2: Scheduled for Wednesday April 24<sup>th</sup>
- Final Exam: The final exam is Monday May 20<sup>th</sup> 1:00 PM to 3:45 PM

## Homework and Quizzes

This course uses the WileyPLUS online homework service (accessed through Canvas from the SRJC Portal or distance education homepage (<https://de.santarosa.edu/>)). All homework must be submitted electronically. Homework will be assigned daily and will be due by the following class time. Quizzes (mostly take-home) will be given as needed throughout the course. Points earned from homework and quizzes are combined to form a score equivalent to 25% of the semester grade.

## Getting Help

Free tutoring services are available in the SRJC Tutorial Center (bottom floor of the Doyle library) and in the Math Computer Lab (room 1733). I am always available during office hours, so feel free to stop by if you have math questions or need help with other problems related to this course.

## Grading Policy

Student semester grades are based on performance in each of the categories shown in the table below. A score of up to 100 points is possible for each category. At the end of the semester a final score is determined by weighting the category scores with the percentages given below.

<u>Category</u>	<u>Percentage of Semester Grade</u>
Midterm 1	25%
Midterm 2	25%
Homework/Quiz	25%
Final Exam	25%

The final semester score is then 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.

For example, suppose a student has the following scores: 1<sup>st</sup> midterm 79, 2<sup>nd</sup> midterm 71, homework/quiz 90, and final exam 85.

Midterm 1	$79 \times .25 = 19.75$
Midterm 2	$71 \times .25 = 17.75$
Homework/Quiz	$90 \times .25 = 22.50$
Final Exam	$85 \times .25 = 21.25$
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Final Score	total = 81.25

With 81.25, the student earns a B grade.

**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.*

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 at this URL (<https://student-conduct.santarosa.edu/>).

### **Accommodating a Disability**

If you have a documented disability and require academic accommodations such as a note taker, test taking services, special furniture, etc., please provide the Authorization for Academic Accommodations (AAA letter) from the Disability Resources Department (DRD) to me as soon as possible. You may contact DRD in the Bertolini Student Center (3<sup>rd</sup> Floor) on the Santa Rosa Campus, and 101 Jacobs Hall on the Petaluma Campus. Please discuss your accommodations with me during office hours or after class so I may be of assistance to you.