

# **Math 15 – Section 3237**

## **Elementary Statistics, SRJC Fall 2017**

**Instructor:** Chad Griffith

**Office:** Bussman 1484

**Office Hours:** MW 5:00 – 5:50 PM and MW 8:00 – 8:30 PM (or by appointment)

**Email:** cgriffith@santarosa.edu

**Phone:** (707) 521 – 6937

**Class Location:** Bussman 1453

**Class Times:** MW 3:00 – 5:00 PM

### **Course Description**

Exploration of concepts in statistics, descriptive statistics, probability theory, Central Limit Theorem, estimation of population parameters from a sample, hypothesis testing (including parametric and nonparametric methods), 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.

### **Textbooks:**

- Lock Statistics: Unlocking the Power of Data Second Edition by Lock w/ WileyPLUS (Online text accessed through Canvas)
- Course Reader (Available at SRJC Bookstore)

### **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-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 arrangement for taking an exam are sometimes possible.

- Midterm 1: Tentatively Scheduled for Wednesday October 11<sup>th</sup>
- Due to fires in the area and unexpected closure of campus for 2 weeks, the second midterm has been rescheduled for December 6<sup>th</sup>.

- **Midterm 2: Scheduled for Wednesday December 6<sup>th</sup>**
- **Final Exam:** The final exam is Monday December 18<sup>th</sup> 1:00 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. Online or printed 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 Exam Average | 50%                                 |
| 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: midterm average 75, homework/quiz 90, and final exam 85.

|                 |                         |
|-----------------|-------------------------|
| Midterm Average | $75 \times .50 = 37.5$  |
| Homework/Quiz   | $90 \times .25 = 22.5$  |
| 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 and Drops**

Attendance will be taken daily. A 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/>).

Collaborating on or copying of test or homework in whole or in part will be considered an act of academic dishonesty and result in a grade of 0 for that test or assignment. Students are encouraged to share information and ideas, but not their work.

**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.