

Syllabus, Mathematics, SRJC Math 15, Fall 2017

General Information:

Instructor: Jennifer Carlin-Goldberg

Office: 1710 Shuhaw Hall

Office Hours: MW 10:00 - 11:00 AM, TTh 1:00 - 2:00 PM,
appts. for other times available upon request.

Email: jcarlinggoldberg@santarosa.edu **Office Phone:** (707) 527-4746

Course Website: <http://www.santarosa.edu/~jcarlinggoldberg/>

Textbook and Other Required Material: Collaborative Statistics, 2nd edition, by Illowsky and Dean, on OpenStax. <https://cnx.org/contents/XgdE-Z55@40.9:LnCgyaMt@17/Preface>

Your WebAssign code is: santarosa 6030 2116 So you can sign up for online homework.

Prerequisites: Completion of MATH 155 or higher.

Course Description: Exploration of concepts in statistics, descriptive statistics, probability theory (including but not limited to the uniform, binomial, Poisson, normal, chi-square and t distributions), 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, computer simulations.

Class Policies, Expectations, Requirements

- Attendance: If you miss the first two days of class or two days in the first week of class without prior approval from me, I will drop you from the course. I will not include attendance as a part of your grade, but there will be in class mini quizzes, exit problems, worksheets that are worth points and will be included as a part of your homework/quiz grade. I will not accept any of these in class items late, nor will there be any makeups.
- You will need a TI calculator that does statistics (TI 83 Plus, 84). You will be using this calculator to assist you on your homework, quizzes and exams. You may not use a calculator that does symbolic logic on quizzes and exams (TI - 89). If you do not have a TI - 83 Plus or TI - 84, your calculator will need to be approved by me.
- The homework is assigned, and submitted online. There will be NO extensions granted for any reason other than an error on the part of the Webassign system. I expect that you get to work on your assignments early and consistently, therefore, last minute disasters will not be grounds for assignment extensions! When the assignment is posted, download the assignment and you are allowed and encouraged to print out the assignment and work on the solutions away by hand and in study groups. Then enter in your answers in the system when you are done. You only get three submissions. If you get an unaccepted answer on the first and second try, go seek help with the problem! Follow the instructions in the WebAssign instructions file found on the class's web page for help signing up. The first assignment will be due Tuesday, 8/29 at 11:59 PM. After that, all but the last assignment will be due Fridays at 11:59 PM. Friday due dates are a buffer only. *You are expected to have the assignments mostly completed by class on Thursday.* This is to prepare you for the Thursday quizzes.
- Closed book quizzes will be given every week starting Thursday of the second week of classes. The quizzes will be based on homework assignments: one or more homework problems will be selected and included in a quiz. Quizzes will be given at the beginning

of class sessions. The lowest two quiz scores will be dropped. I do not give make up quizzes for any reason. That's what the dropped quizzes are for!

- You are expected to read through each section covered in class in the book. We are using a Open Education Resource (OER) available for download as a pdf document or a EPUB for most Ebook readers (kindal. You can also order a hard copy for less than \$20 if you need to. A copy of the book is also available at the library reference desks on both the Santa Rosa and Petaluma campuses.
- There will be 3 midterms and a final exam. The final exam is comprehensive. The exams are all scheduled and posted online.
- No make-up tests will be given. If you have a 69% (passing) or better on the final, I will drop your lowest exam score and replace it with the Final percentage if such an action will help your grade.
- **Computer Labs:** The use of computers to analyze and interpret data is an essential part of learning statistics. To this end, we will be using the Excel software package. The labs are designed to help you learn how to use Excel and how it can be used as a valuable tool in the course, and in statistics in general, for solving problems. On all work that you turn in, complete sentences and correct grammar must be used. Your submissions must also be typewritten. It is also important to note that no prior computer experience is necessary. Computers with Excel are available in the computer labs on campus. Computer labs turned in late, after 12 AM on the due date, will be marked down 10% each day they are late. Computer Labs will be submitted in Quiz form electronically, on Canvas, some files will be submitted as well in either a Word or PDF format. Google Docs, while adequate for much of what we will be doing, is missing several key features like formula writing flexibility and spreadsheet data analysis so using it along will not be possible. You may also work in groups of two to four students on the labs 1 through 4, though you will each submit your own answers. Lab 0 will be done individually and is worth 10 points, the remaining four labs are 25 points each.
- **Term Project:** Projects are done in groups of two to four students. They are due on Tuesday, December 12, using Canvas. No projects will be accepted after Thursday, December 14. Projects turned in on December 14, will be marked down 10% (a late penalty). For the project, each group will test two questions of their own choosing, collect data, analyze the data using statistical procedures learned during the semester, and make conclusions based on that analysis. Each student in the group will get the same grade. As an extra credit option, groups can create a poster summarizing their project results.
- If I determine that a particular student in a group is not doing the same amount of work as others in the group on either the project or a computer lab, I reserve the right to take appropriate action which might include giving that particular student a reduced number or zero points on the assignment.

Grading policy

Approximate grade breakdown: 12% (Homework, TBD points) + 14% (5 Labs, 110 points) + 12% (Term Project, 100 points) + 37% (3 Midterms, 300 points) + 25%(Final exam, 200 points) = 100%

I take your percentage on the homework and the quizzes and I add it to the points received on the midterms and the final This will be your final score. If you want to know you current grade in the class at any time, ask me. Final percentage = $100\% \times \text{Final score} / 820$. No scores in the class will be curved.

A 100 - 90% B 80 - 89% C 69 - 79% D 60 - 68% F 0 - 59%

Tutoring:

- **FREE Tutoring:** The Computer and Mathematics Lab in 1733. Santa Rosa Campus's Tutorial Center (first floor of library) and Petaluma Campus's Tutorial Center located in Kathleen Doyle Hall, 2nd Floor, Rm 247. For any student who has declared a Calculus based science major, you can join MESA, located in Bertolini, room 4832. Link to Website They have tutoring services and so much more!
- **Study Groups:** Not only can you help one another by working together, but it can be a lot of fun to discuss mathematics. Since I do not grade on a curve, there is no reason to compete with one another. Let me know if you need assistance setting up a study group - I would be happy to help.
- **Private Tutors:** The Math Department has a list of private tutors. This list can be found on the Math Department web site at mathematics.santarosa.edu/

Academic Integrity: Although students are encouraged to work together outside of class, students must do their own work on homework, quizzes, and exams. Students who cheat or assist other students in cheating will receive no credit (0%) on that assignment or test, will be suspended for two class meetings by the instructor, and may be referred to the Vice President of Student Services for discipline sanction in cases of egregious violation. A second offense will result in permanent dismissal from the class and an F in the course. Please read SRJCs policy/procedure on academic integrity at www.santarosa.edu/polman/3acadpro/3.11P.pdf.

Accommodating a Disability If you need disability-related accommodations for this class, 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 also speak with me privately during office hours about your accommodations. If you have not received authorization from DRD, it is recommended that you contact them directly. DRD is located in Analy Village on the Santa Rosa campus and 101 Jacobs Hall on the Petaluma Campus. I cannot give you accommodations if you are not registered with the DRD!

Emergency Evacuation: In the event of an emergency during class that requires evacuation of the building, please leave the class immediately and calmly. If you are a student with a disability who may need assistance in an evacuation, please see me as soon as possible to discuss an evacuation plan.

Classroom Etiquette and Expectations:

- I expect you to come to class with the tools you need: class workbook, pencil, eraser, calculator, and paper.

- Students are to act respectfully and pay attention while in class. The best way to learn is through participation, listening actively, and by being polite even when we disagree with another student's viewpoint.
- Cell phones, iPods, etc. are to be turned off. Please note that a cell phone/smart phone is NOT a calculator, you will not be able to use them at any time in class. During Exams, if your cell phone goes off, you are disrupting your classmates' concentration and I will take away your exam and ask you to leave. You will not be allowed to finish your exam later.
- Students are expected to arrive on time, stay the entire class period, and not put course materials away before I have concluded the lecture.
- Sharpen your pencils and use the restroom before class starts. Do not eat or drink distracting foods (such as crunchy chips) or put your head down on the desk and sleep during class.
- Since other students may find side conversations distracting, direct your questions to me, not to your neighbor.
- If you use a laptop or tablet computer for note taking, please sit in the front row with the sound off. You cannot do your homework, chat online, Facebook, Tweet, etc. during class.
- We will conduct ourselves in a manner that reflects our awareness of common standards of decency and the rights of others. All students are expected to know the Student Conduct Code, link found on the class's website for your reference, and adhere to it in this class. Students who violate the code more than once will be asked to leave the classroom and must schedule a meeting with me to explain to me why you should be allowed to return to class. Repeated offenses and we will refer to the Vice President of Student Services for discipline.

If you have any questions, please feel free to discuss them in class or during my office hours. I'll be glad to provide any help you need.

No Mathematicians were hurt in the making of this Syllabus