Syllabus, Mathematics, Santa Rosa Junior College  
Math 15, Spring 2013

General Information:
Instructor: Jennifer Carlin-Goldberg  
Office: Shuhaw Hall 1710  
Office Hours: MTWTh 2 - 3, MW 4:30 - 5, appointments available upon request.  
Email: jcarlingoldberg@santarosa.edu  
Office Phone: (707) 527-4746  
Course Website: http://www.santarosa.edu/~jcarlingoldberg/


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 two weeks 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 then 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! Your webassign code is santarosa 6829 8581. 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, 1/22 at 10 PM.

• 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. You will have to have a hard copy of the book or an EBook, the EBook is the least expensive.

• **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. 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 will be marked down 10% each day they are late. Computer Labs are encouraged to be submitted electronically. You are also encouraged to work in groups, but all work/data needs to be your own.

• **Term Project:** Projects are done in groups of two to four students. Projects are due on Tuesday, May 14. No projects will be accepted after Thursday, May 16. Projects turned in on May 16, will be marked down 10% (a late penalty). For the project, each group will test two hypotheses of their own choosing, collect data, analyze the data using statistical procedures learned during the quarter, and make conclusions based on that analysis. Each student in the group will get the same grade. However, if I determine that a particular student in a group is not doing the same amount of work as others in the group, I reserve the right to take appropriate action which might include giving that particular student a reduced number of points on the project.

• 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 miss one midterm because of serious illness or injury (officially documented) the missed exam’s score can be replaced with your final percentage. You can only do this with one exam. Please note that this can only be done with my approval and will not be automatic. If you miss an exam, you must come and talk to me about it!

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**Grading policy**

Approximate grade breakdown: 12.5% (Homework/Quizzes, 100 points) + 12.5% (4 Labs, 100 points) + 37.5% (3 Midterms, 300 points) + 12.5% (Project, 100 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 = Final score / 8. No scores in the class will be curved.

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<thead>
<tr>
<th>Grade</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>A</td>
<td>100 - 90%</td>
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<tr>
<td>B</td>
<td>80 - 89%</td>
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<tr>
<td>C</td>
<td>69 - 79%</td>
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<tr>
<td>D</td>
<td>60 - 68%</td>
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<td>F</td>
<td>0 - 49%</td>
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**Tutoring:**

• **FREE Tutoring:** Tutorial Center (first floor of library) and the Computer and Mathematics Lab in 1733.

• 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 www.santarosa.edu/mathematics.

**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 SRJC’s policy/procedure on academic integrity at http://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. Our class will meet on the lawn in front of Shuhaw to make sure everyone got out of the building safely and to receive further instructions. 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’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