

## *Course Syllabus*

Math 15: Elementary Statistics (Section 356) Fall 2020

Math 215: Elementary Statistics Concurrent Support (Section 363)

Monday & Wednesday: 3 – 5 pm and 5 - 6 pm, Online

**Instructor:** Neera Saxena

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**Zoom Meeting ID:** 947 3040 5382

<https://santarosa.edu.zoom.us/j/94730405382>

**Zoom Office Hours:** Monday & Wednesday 5 – 6 pm. Please send an email prior to attending a zoom office hour.

### **Math 15 Prerequisite:**

Completion of Math 161 or Math 156 or Math 154 or Math 155 or appropriate placement based on AB 705 mandates.

**Math 215 Prerequisite:** Concurrent Enrollment in Math 15

### **Math 15 Course Description:**

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

### **Math 15 Student Learning Outcomes:**

Upon completion of this course, students will be able to:

1. Use numerical and graphical methods to summarize, display, and interpret data sets.
2. Estimate population parameters from sample statistics.
3. Perform one and two sample hypothesis tests for population means and proportions.

### **Math 215 Course Description:**

A review of the core prerequisite skills, competencies, and concepts needed in statistics. Intended for students who are concurrently enrolled in (Math 15) Elementary Statistics. Topics include concepts from arithmetic, pre-algebra, elementary and intermediate algebra, and descriptive statistics that are needed to understand the basics of college-level statistics. Additional emphasis is placed on solving and graphing linear equations and modeling with linear functions.

### **Math 215 Student Learning Outcomes:**

Upon successful completion of this course, students will be able to:

1. Apply arithmetic, pre-algebra, and algebra skills necessary for success in Elementary

Statistics.

2. Apply knowledge of algebra and descriptive statistics to inferential statistics.

- For additional details regarding course objectives and topics, please see the official Course Outlines on the SRJC Website.

### Course Materials

- **Calculator:** You should have a graphing calculator for this course. A TI-83 or TI-84 is recommended.
- **MyLab Statistics (MyMathLab) and Canvas:** We will be using Pearson's MyLab Statistics and Canvas as our class Websites. All Math 15 material can be found on MyMathLab. Canvas will be used for Math 215.
  - Class announcements, videos, and Zoom recordings will be posted on MyLab Statistics.
  - Homework, quizzes, and tests will be done ONLINE using MyLab Statistics
  - Class grades will be posted in the MyLab Statistics gradebook.
- **To register for my MyLab Statistics Math 15 + 215 course, follow these steps:**
  - Go to <https://www.mymathlab.com> .
  - Under Register Now, click on Student. (Or if you have used MyMathLab for a previous math course, you can sign in under your account.)
  - To register for my MyLab Statistics Math 15 + 215 class, you will need an email address, the Course ID **saxena74677**, and an access code (which can be purchased from the SRJC book store or with a credit card or PayPal account to purchase access directly from the MyLab Website.
  - Keep track of your username and password. You will need these to login to the site so you can access the course announcements and videos and do your Math 15 homework, quizzes, and tests.

**Textbook:** Elementary Statistics, by Mario F Triola, **13th Ed.** ISBN 13: 978-0-13-446245-5

### Math 15 Grading

Homework .....	20%
Quizzes .....	15%
Tests (3 tests at 15% each) .....	45%
Final Exam .....	20%

Course grades use the following scale:

**A:** 90-100%      **B:** 80-89%      **C:** 70-79%      **D:** 60-69%      **F:** 0-59%

### Math 215 Grading

Participation.....	20%
Homework.....	30%

Practice Tests.....	15%
Tests (3 tests at 5% each) .....	15%
Final Exam .....	20%

Course grades use the following scale:

**Course Grades:**      P: 70-100%      NP: 0-69%

### **Class Schedule:**

Our class is scheduled to meet from 3 – 4:50 pm and 5 – 5:50 pm on Mondays and Wednesdays. There is no class meeting on Monday, 9/7, and Wednesday, 11/11. I have posted links to lecture videos on each section that we will cover this semester. I expect you to watch the videos and/or read the textbook for the scheduled material BEFORE our class Zoom meetings. I also expect you to begin the homework on the assigned sections BEFORE our class Zoom meetings. See the **Math 15 + 215 Class Schedule** posted on Canvas and MyLab Statistics for a list of the class meetings and the scheduled material.

For each class meeting on Monday and Wednesday, 3 – 4 pm, is reserved for your independent study of the material, including watching the provided lecture videos, reading the textbook, working on the homework assignments, and taking quizzes. **Our class Zoom meetings will run from 4 – 4:50 pm.** During this time, we can further discuss the day's material and you will have the opportunity to ask any questions you may have on the videos, textbook, or homework assignments. 5 – 6 pm will be reserved for zoom office hour. Please send an email prior to attending a zoom office hour.

### **Class Zoom Etiquette and Expectations**

- Log in using your first and last name.
- Keep your mic on mute.
- If you have a question, press the raise hand icon. You can also physically raise your hand to get my attention.
- **Basic classroom etiquette still applies. Students are to act respectfully. The best way to learn is through participation, listening actively, and by being polite even when we disagree with another's viewpoint.**
- 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

(<https://student-conduct.santarosa.edu>) and adhere to it in this class. Students who violate the code may be suspended from two classes and referred to the Vice President of Student Services for discipline.

- All class Zoom meetings will be recorded and posted to MyLab Statistics so you can review the discussion further at a later time.

### **Math 15: Quizzes, Tests, and Final Exam**

7-chapter quizzes, 3 t-ests, and a comprehensive final exam will be taken ONLINE during the semester using the MyLab Statistics course software. Quizzes and tests can be taken between 9 a.m. and 9 p.m. on the day they are scheduled. Each assessment will have a time limit; the time limit will vary depending on the material covered and the length of the assessment. The clock will start when you start the assessment.

We will have either a quiz or a test most weeks of the semester. See the **Math 15 + 215 Class Schedule** posted on Canvas and MyLab Statistics for a list of quiz and test dates. Quiz and test dates and material will be confirmed as they approach. There will be no make-up or late quizzes or tests, so please plan your schedule accordingly. At the end of the semester, I will drop your lowest quiz score. I do not drop any test scores.

The Final Exam is scheduled for **Monday, December 14.**

### **Math 215: Practice Tests and Final Exam**

Before each test and the final exam, I will post a Practice Test in MyLab Statistics. These Practice Tests are intended to help you prepare for the actual test and exam. You will be able to take these Practice Tests as many times as you would like to help you become more comfortable with the material. Your grade on these 4 practice tests will contribute 15% of your overall Math 215 course grade.

The Math 215 Final Exam is scheduled for **Wednesday, December 16.**

### **Math 15 Homework**

Homework will be done ONLINE using the MyLab Statistics course software. We will cover approximately 3 sections of material each week. Your homework grade is based on successfully completing the homework. You can access homework assignments as soon as I post them. Homework assignments will be due at 11:59 p.m. one week after our Zoom discussion. Due dates and times are listed in MyLab Statistics.

At this point in your educational career, you probably already know that you must do the homework in order to master the material. To further motivate you to do your homework, the weekly quizzes will be derived from the homework.

A few notes about how the online MyLab Statistics homework assignments work:

- You have multiple attempts per question. You will know that it is the last attempt when it says Final Check. If you still have the question wrong after you have exhausted all attempts, you can Try Again to get credit for the problem.
- I have enabled multiple Question Help features for the homework assignments. You can use these options to get help on individual questions.
- I will help you with homework questions during our class Zoom meetings or at office hours.
- Don't forget to keep a neat and organized record of all your work on each problem so you can use it to study for quizzes and tests.
- You can do late homework! However, there will be a 10% per day penalty on any questions answered after the due date. Any questions answered before the due date will receive full credit.

### **Math 215: Homework**

Math 215 homework assignments will be completed in Canvas. Due dates for these assignments are posted on Canvas and can also be found in the **Math 15 + 215 Class Schedule**.

### **Attendance Policy**

Attendance at our class Zoom meetings is strongly encouraged but is not required. These class Zoom meetings and office hours are provided for your benefit so that I can help you to learn the material. In addition, attendance at class Zoom meetings counts toward your Math 215 Participation Grade (see the next item). Class Zoom meetings will be recorded and posted on Canvas and MyLab Statistics; office

hour discussions will not be recorded. As long as you are keeping up with the homework and assessments, you will not be dropped from the class.

### **Math 215: Participation Grade**

Your Math 215 participation grade will be determined by two factors:

1. You must post in the Canvas Discussion Forum at least twice per week. You may create a new topic or comment on another student's post. All posts must pertain to Math 15 or Math 215 or Santa Rosa Junior College. And most importantly, **all posts must be respectful, polite, and supportive.**
2. You must also attend a class Zoom meeting, office hour, or check in with me via email at least once per week.

### **Suggestions on How to Succeed in Math 15 and Math 215**

1. Keep up with the material. The **Math 15 + 215 Class Schedule** lists all the sections we will be covering and has a list of the scheduled quizzes and tests. If you fall behind on the homework, you will not be prepared for the assessments.
2. **Watch the lecture videos, read the text book, and start the homework early** – preferably at least the day before the scheduled discussion on the material. If you have questions, attend the class Zoom or office hours to get the help that you need. I am here to help you so that you don't have to struggle to learn the material on your own.
3. SRJC also offers free online tutorial services for students, and there are numerous other free online resources. You can access the SRJC services here: <https://college-skills.santarosa.edu/srjc-tutorial-centers>

### **Dropping**

If you need to drop this course, remember that it is your responsibility to do so.

Last day to drop without a “W”: Sunday, September 6

Last day to drop with a “W”: Sunday, November 15

### **Cheating & Plagiarizing**

Although students are encouraged to work together outside of class, students must do their own work on quizzes and tests. 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 <https://rightsresponsibilities.santarosa.edu/academic-integrity>.

### **Accommodations for Students with Disabilities**

If you need disability-related accommodations for this class, 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, you can contact them directly here: <https://drd.santarosa.edu/drd-staff-directory>

- All the above rules and expectations apply to me as well. In addition, you can expect me to be professional, reliable, organized, and approachable.
- This syllabus is intended to give you guidance in what may be covered during the semester and will be followed as closely as possible. However, I reserve the right to modify, supplement, and make changes as course needs arise. **This syllabus is an agreement between instructor and student. Continued registration in this course means that you agree to the policies and procedures outlined in this syllabus.**