

MATH 15 – ELEMENTARY STATISTICS - Section 4414, 4 Units

SPRING SEMESTER 2021

MW 3:00 to 5:00 PM

Instructor: Kruti Darji

Office: PC 648

Office Hours:

Monday, Wednesday 10:30 AM to 11:30 AM

Tuesday, Thursday 10:00 AM to 11:00 AM in Zoom and other times available by request.

Email: kdarji@santarosa.edu

- Please use proper English and grammar in all emails. Text language, emotions, and emojis are not considered proper English.
- All communications will be done through Zoom or SRJC email.
- If you email me, please include your name as well as the course name, Math 15/215.
- I will reply within 24 hours to emails received Sunday 5:00 pm - Thursday 5:00 pm.
- I will reply by Monday at 5:00 pm to emails received between Thursday (after 5:00 pm) and Sunday (before 5:00 pm)

Catalog 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 the analysis of variance, and computer simulations.

Prerequisites/Corequisites:

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

Course Objectives and Student Learning Outcomes:

For a detailed list of the course objectives and student learning outcomes, [Click here](#) to an external site.

Textbook Required:

Barbara Illowsky and Susan Dean, Introductory Statistics, OpenStax College, 2013, ISBN: 978-1938168208

- This is an open-source textbook that is available through our Canvas course and free online:

<https://openstax.org/details/books/introductory-statistics>

Materials Required:

- MyOpenMath access is free and available through your canvas.
- Access to scanning software, a scanning app, or a scanner to send PDF's, or links to PDF's, via email.
- A graphing calculator is required. You may use any graphing calculator you wish; however, when I use technology, it will be a TI – 84. Let me know if you have questions regarding technology.
- Here is the bookstore link [SRJC Bookstore](#)

GRADING:

Homework	20%
Quizzes	20%
Projects	10%
Exams	50%

Grading Scale:

A: 90 – 100

B: 80 – 89

C: 70 – 79

D: 60 – 69

F: Below 60

Homework: Homework assignments will be assigned on MyOpenMath. All assignments will be due on Wednesday at midnight at 11:59 PM PST. There will be NO extensions granted for any reason. 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 your answers in the system when you are done. You only get one submission per problem, then you get a new version of the problem. If you get an unaccepted answer after several attempts, go seek help with the problem!

Take-Home Quizzes: You will get one week to complete your take-home quizzes. Quizzes will be posted on Canvas in a pdf file or online on MyOpenMath.

Project: Your project is divided into five parts. You will be submitting your project assignments with your group members.

Exams: Quizzes and Exams will be posted on Canvas in a pdf file.

- The written exams and quizzes in our class will be graded according to mathematical standards that accompany a college-level, STEM-based class. Please keep that in mind when you are writing up your exams.
- Exams and quizzes will be handwritten, scanned, and submission must be on canvas in a single pdf format only.
- Make sure to check you submitted all the written pages. When you submit an assignment on canvas, always check your file is submitted successfully.

Exams Procedure:

- You must be signed in to Zoom on your Surface Go or tablet/laptop.
- The camera must be turned on at all times during the quiz/test.
- The camera must be showing your face.
- If it appears that you are talking to someone during the quiz/test or if your camera is not focused on your face, you will receive a warning (1st time) and then will face a scholastic dishonesty report and receive a zero for the quiz/test.
- Hoods and hats are not allowed to be worn during tests and quizzes.
- Shirts and pants/shorts are required.
- The test/quiz must be submitted/shared at the end of the testing period. Leaving the Zoom room before confirming that the test/quiz was received will be considered as not submitting in time and result in a 0.

Additional rules for tests and quizzes may be added if it becomes evident that cheating is occurring.

Course Policies, Expectations, and Requirements:

- Students will use the Canvas course web site for the online homework, access to the reading, the video lectures, class and assignment schedule, exam review sheets, supplemental assignment instructions, submitting those assignments, and viewing grades. Classes will be conducted via Zoom.
- Attendance: We will be holding a class at our scheduled time online via zoom. I will record every lecture and post it in Canvas both in case you miss a class and for your reference later. You need to use your correct name for zoom classes and anytime if you meet me for help. I strongly recommend you attend classes. If you don't want to attend classes, then it's your responsibility to watch class videos and learn all the materials that I taught in the class. You get credit for participating in the class, mostly through group work and in-class practice problems. Class participation worth 5% of your overall grade.
- A college transfer-level math class requires a great amount of discipline and continual self-monitoring. To be successful each student is expected to:
 1. Be respectful of your classmates.
 2. Students who disrupt the lesson will be asked to leave the room.
 3. Students are expected to participate in the class discussion by asking and answering questions. Be an active participant during the meetings.
 4. We will listen respectfully when someone else is talking, we will be respectful and polite even when we disagree with another's viewpoint.

5. Quietly listen to the lecture and actively take notes.
6. Our class meeting is a place reserved for learning. Being kind, open-minded, respectful, patient, and tolerant are qualities conducive to learning. It is expected that you are prepared to learn and exhibit these behaviors.
7. Students must work on homework frequently during the semester. Students are expected to work on homework exercises out of the text.
8. This class will be utilizing technology and online work; however, that is not a substitution for not being able to utilize mathematical notation correctly, appropriately, and efficiently.
9. When developing a logical argument or asking a question, please make it a goal to be “impossible to be misunderstood” and take the care and time to formulate good questions, before asking them.
10. Read all the announcements on Canvas, emails, homework, quizzes, exams, and any communications you have from me carefully.
11. Review previous sections. Continual studying is much more rewarding and less stressful than cramming.
12. Study early and study often!
13. Check your email regularly!
14. Be aware of the date of the quizzes, exams, homework, and the final.
15. Problems you got wrong or partial credit on from your exams and quizzes are your responsibility to understand why. Try to work the problem out at home first and if you are still struggling come to talk to me if you have questions.
16. Come talk to me for any reason! If you are having trouble, problems with something, or cannot make class let me know as soon as you can. I am more willing to help you when you let me know early and have open communication with me.
17. Students are required to have a text for our course. Our text is available nowadays in many different forms; e.g., as a traditional textbook, in electronic format, etc. You are welcome to choose the one that works best for you; you may have a preference or there may be cost savings with one format versus another.

Tutoring:

Provided by the SRJC Math Lab; Link: [Math Lab Tutoring Spring 2021 | Mathematics \(santarosa.edu\)](#)

SRJC Tutorial center: [Click here](#)

Academic Integrity: Although students are encouraged to work together outside of class, students must do their 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 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 in Analay 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.

Tentative Schedule (Note that this schedule is tentative. Our actual pace may cause us to run a little behind or ahead of the ideal schedule throughout the semester)

Week**	Topics	Assignments
Week 1 January 20	Read and review Syllabus / CLO's and their importance. Section:1.1 ,1.2,1.3	
Week 2 January 25	Section:1.4, 2.1, 2.2, 2.3	Homework 1: Introduction Assignments on Canvas Discussion MyOpenMath Homework 2 (Due Date - Wednesday 01/27/2021)
Week 3 February 1	Section:2.4, 2.5, 2.6, 2.7	MyOpenMath Homework 3 Quiz 1 (Due Date - Wednesday 02/03/2021)
Week 4 February 8 (February 11 No classes Professional Development	Section: 3.1, 3.2, 3.3, 3.4	MyOpenMath Homework 4 (Due Date - Wednesday 02/10/2021)

Activity Institutional Day)		
Week 5 (February 15 No Classes Washington's Day Holiday) February 16	Section: 4.1, 4.2, 4.3	MyOpenMath Homework 5 Quiz 2 (Due Date - Wednesday 02/17/2021)
Week 6 February 22	Tuesday Review Exam 1 Wednesday Exam 1	MyOpenMath Homework 6 (Due Date - Wednesday 02/24/2021) <u>Exam 1 Wednesday 02/24/2021</u>
Week 7 March 1	Section: 5.1, 5.2, 5.3, 6.1	MyOpenMath Homework 7 Project Part 1 (Due Date - Wednesday 03/03/2021)
Week 8 March 8	Section: 6.2, 7.1, 7.2, 7.3	MyOpenMath Homework 8 (Due Date - Wednesday 03/10/2021)
Week 9 March 15	Section: 8.1, 8.2, 8.3, 9.1	MyOpenMath Homework 9 Quiz 3 (Due Date - Wednesday 03/17/2021)
March 22-28	SPRING BREAK	NO CLASSES
Week 10 March 29	Section: 9.2, 9.3, 9.4, 9.5	MyOpenMath Homework 10 Project Part 2 (Due Date - Wednesday 03/31/2021)
Week 11 April 5	Section: 9.6,10.1,10.2,10.3	MyOpenMath Homework 11 Quiz 4 (Due Date - Wednesday 04/07/2021)

Week 12 April 12	Tuesday Review Exam 2 Wednesday Exam 2	MyOpenMath Homework 12 (Due Date - Wednesday 04/14/2021) <u>Exam 2 Wednesday 04/14/2021</u>
Week 13 April 19	Section: 10.4,10.5,12.1,12.2	MyOpenMath Homework 13 Project Part 3 (Due Date - Wednesday 04/21/2021)
Week 14 April 26	Section: 12.3,12.4 ,11.1,11.2	MyOpenMath Homework 14 (Due Date - Wednesday 04/28/2021)
Week 15 May 3	Section: 11.3,13.1,13.2,13.3	MyOpenMath Homework 15 (Due Date - Wednesday 05/04/2021)
Week 16 May 10	Section: 13.4	MyOpenMath Homework 16 Quiz 5 Project Part 4 (Due Date - Wednesday 05/11/2021)
Week 17 May 17	Preparation for Final Exam	
Final Exam May 24	Final Exam on May 24 th	Project Part 5 (Due Date - Wednesday 05/26/2021)

Important Dates:

All the important dates can be found on the link [Academic Calendar | College Catalog \(santarosa.edu\)](#)

The instructor reserves the right to make changes to this syllabus to accommodate the pacing and the needs of the class. Any changes will be announced during class. Continued registration in this course means that you agree to the policies and procedures outlined in this syllabus.

Student Acknowledgement

The student agrees to the instructor's policies outlined in this handout and the course syllabus. I understand that failure to comply with these policies could affect my success in this course. I have had an opportunity to ask any questions.

I have a personal device with a working camera. I realize that not having one of these devices will result in receiving a 0 for any test/quiz that is given virtually.

Student Name (Print): _____

Student Signature: _____ Date: _____