

**Math 10**  
**Nature of Mathematics**  
Allyson Angus Stewart  
Fall 2024

Section: 2324, 3 units

TTH 3:00 PM – 4:30 PM Lindley 204

**Text book:**

**OpenStax Introductory Statistics eBook**

- Good news: your textbooks for this class are available for free online! If you prefer, you can also get a print version at a very low cost.
- Your book is available in web view and PDF for free. You can also choose to purchase on iBooks or get a print version via the campus bookstore or from OpenStax on [Amazon.com](https://www.amazon.com).
- You can use whichever format you want. Web view is recommended -- the responsive design works seamlessly on any device. If you buy on Amazon, make sure you use the link on your book page on openstax.org so you get the official OpenStax print version. (Simple printouts sold by third parties on Amazon are not verifiable and not as high-quality.)
- [Math in Society](https://www.opentextbookstore.com/mathinsociety/2.6/MathinSociety.pdf) by LibreTexts  
<https://www.opentextbookstore.com/mathinsociety/2.6/MathinSociety.pdf>
- [Contemporary Mathematics](https://openstax.org/details/books/contemporary-mathematics) publisher OpenStax <https://openstax.org/details/books/contemporary-mathematics>

**Calculator required:**

Basic or scientific is sufficient, you may borrow a graphing calculator from the library for free on a first-come, first-served basis.

**Computer:**

You will need a computer with consistent internet access. If you don't own one, laptops will be distributed by the SRJC Libraries to the general student population on a first-come, first-served basis using the materials request process.

**Prerequisites:** Completion of MATH 161 or MATH 154 or MATH 156 or MATH 155 or AB705 placement into Math Tier 1 or higher.

**Course Description:** A survey course in mathematical concepts and mathematics in culture. Topics to include mathematical reasoning and four additional topics selected from number theory, probability, statistics, mathematical modeling, contemporary applications, geometry, and the history of mathematics.

Recommended for liberal arts students.

**Office hours:** TTH 10-10:30 AM, in Lindley 221, and TTH 2:30-3 PM, in Lindley 203. You may also reach me by e mail at [astewart@santarosa.edu](mailto:astewart@santarosa.edu) for questions or appointments to meet in person or on zoom.

**Purpose:** Most students enroll in Math 10 not because they like math but because they need a transferable class. For many of you this will be your last math class ever! This may be your last chance to experience the power and beauty of mathematics. The purpose of this course is to give you insight as to what mathematics

is, what it attempts to accomplish, and how mathematicians think, as well as equip you with some practical tools you may find useful. **Groups:** Please make some “homework dates” with your classmates, or at a minimum exchange phone numbers and/or e mail. Please be aware that a **minimum of 6-9 hours per week of homework/studying is your expected commitment outside of class.** Working with others can actually be more efficient, provided you stay focused, and certainly more fun. Grades are not based on a curve so help each other do well! It may be noted that if you can explain a concept to another you must first have a good grasp of the material and are therefore preparing yourself very well if you can describe and explain concepts to others.

Also be aware that although I encourage group work for class and homework, quizzes and exams are to be measures of your individual progress and must be done solo. (In other words cheating is not tolerated and will result in a score of zero, please don't make me do this!)

**Homework:** Assignments will be collected at the end of the class period on the day they are due. Any late assignments will be LATE and lose 4 points per class meeting that they are late. Assignments are worth a maximum of 12 points. Be sure to write your name and assignment number(s) on the outside of your folded homework assignment. (Papers in order, stapled, and folded lengthwise with your name on the top with the fold to the LEFT) All work must be in pencil (or points will be lost), include sufficient work to support your answer. Please draw a line between each problem. Also please use a separate sheet for the problem of the week. Only selected problems will be graded.

**Group Projects:** There will be 4-5 group assignments given throughout the semester. Information on each assignment will be given in class.

**Exams:** There will be 3 one-hour exams given. NO MAKE UP exams will be given. However, note that if the percentage on your Final Exam is higher than your lowest exam score, your Final Exam percentage will replace your lowest exam score. (which includes a missed exam with a 0 score)

**Quizzes:** There will be homework Quizzes given on Thursdays that will count towards the unit Test. NO MAKE UP Quizzes will be given, missing a quiz will not hurt your grade, only help on the unit Test score.

**Grading:** There will be 700 points available to earn towards your final grade as follows:

Homework:	100 points	100-90%:	A
Group projects:	100 points	80-89%:	B
3 hour exams:	300 points	65-79%:	C
Final exam:	200 points	50-65%:	D

**Credit/No credit:** It is possible to take this class with a pass/ no pass option, if this appeals to you then discuss it with your counselor. Last day to opt for P/NP is Dec 13, 2024.

**Dropping:** If you decide to drop this course it is your responsibility to do so. Last day to drop without a “W” is Sept 8, 2024. Last day to drop with a “W” is Nov 17, 2024.

Our **FINAL** is scheduled for **Tuesday, December 17, 2024 1:00 PM-3:45 PM-** in room 204. There are **NO “make-ups” for any exams** and the final must be taken to receive a passing grade. **If the percentage on your Final Exam is higher than your lowest exam score, your Final Exam percentage will replace your lowest exam score. (which includes a missed exam with a 0 score). (Please be sure to mark your calendar for December 17!)** Note the final is comprehensive, also it is college policy that the date and time of the final exam cannot be changed.

**Student Conduct:** We will conduct ourselves in a manner which reflects our awareness of common standards of decency and the rights of others. All students are expected to know the Student Conduct Code ([http://www.santarosa.edu/for\\_students/rules-regulations/scs/section1.shtml](http://www.santarosa.edu/for_students/rules-regulations/scs/section1.shtml)) and adhere to it in this class. Students who violate the code may be suspended for two class meetings and referred to Vice President of Student Services for discipline.

All cell phones **MUST** be turned off while in class. Absolutely **NO** texting is allowed!

All earphones must be removed while in class.

Be considerate of your classmates. Those who are disruptive will be asked to leave.

**Attendance:** the SRJC attendance policy:

“Students are expected to attend all sessions of the course in which they are enrolled.”

“A student may be dropped from any class when that student’s absences exceed ten percent of the total hours of class time.” (this case 4 classes)

**Accommodations for Students with Disabilities:** 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 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 Third Floor in the Bertolini Student Center, room 4844 on the Santa Rosa campus, and Jacobs Hall on the Petaluma Campus. You can find more information at <https://drd.santarosa.edu/> or 707-527-4278. You are responsible for scheduling testing at DRD.

**Physical and Mental Health:** Should you experience any physical or mental health issues, know that all of us at SRJC care about your well-being. SRJC’s Student Health Services (SHS) has nurse practitioners and mental health therapists available. Confidential sessions are provided via secure Zoom or in-person. Sessions are free for SRJC students taking credit or non-credit classes, and some providers can converse with you in Spanish if you prefer. SHS also has on-site covid rapid testing and vaccinations available also at no cost. To start the process for any type of physical or mental health appointment contact Student Health at 707 527-4445 or email [studenthealthservices@santarosa.edu](mailto:studenthealthservices@santarosa.edu). More information about all that Student Health Services provides is available at <https://shs.santarosa.edu>.

**Extra Help Resources:** Aside from my office hours, you have the following available to you:

- \_ Computer and Mathematics Lab in Linley room 231.
- \_ Santa Rosa Campus's Tutorial Center on the first floor of the library.
- \_ Petaluma Campus's Tutorial Center located on the first floor of the library.

