

Statistical Methods for Business and Economics

STAT 17 – Sec 1

Dr. Subhra Saha

Summer 2024

Syllabus subject to change

First version: July 28, 2024, Last edit on: July 29, 2024

COURSE INFORMATION

This is an introduction to statistical methods as practiced in business and economics. The course is divided into two parts: the first one includes descriptive methods, probability, random variables, expected values, and sampling. The second part of the course is concentrated on statistical inference: estimation, confidence intervals, hypothesis testing, one- and two-sample problems, correlation, and simple linear regression. While you will learn how to perform statistical analysis and calculations using STATA in the lab STAT 17L, in this course, we will use Google Sheets for calculations. It is expected that you learn both ways to perform statistical calculations at the end of the quarter and that you become proficient with STATA using the course materials from STAT 17L.

Professor Saha (susaha@ucsc.edu) is standing in temporarily for Professor David Draper (who sadly passed away in SP24). He has significant conflicts with the teaching schedule in Week 5 (Tue and Thu). To ensure that students get the required 6 hours & 30 minutes per week, he is proposing the following schedule:

- First four weeks: Class meets **T/Th: 9 am - 1:15 pm** on Zoom (professor will make the link to the class available on Canvas - on the first day of classes)
- Last Week (Week 5): **Tuesday 11:00 - 12:15 PM** (exam review; optional study sessions - no new topics taught)
- Last Week (Week 5): **Thursday Final Exam between 9:00 am - 1:15 pm** (online final exam - proctored by TAs - all multiple-choice final exam & short answer final exam).

This class will be taught in a **remote synchronous manner on zoom (on Tuesdays and Thursdays)**. The **zoom link** to the class **is available on the course page in Canvas**.

INSTRUCTOR INFORMATION

Instructor: Subhra Saha. Please address me as Dr. Saha, Professor Saha or Prof. Saha
A short bio: I have a Ph.D. in Economics & I teach at the Economics and Statistics departments at UCSC. Outside of teaching for UCSC, I manage a business and advise couple of health care companies. My work is deeply rooted in statistical concepts, which create the foundation for modern data analysis in any field. I have been a college professor for over 20 years and have taught Statistics regularly for different universities for last 10 years.

Office Hour: This is a space to talk to the instructor. You don't need to be prepared to

attend; you can show up with general or specific questions. The office hours will be held in a remote synchronous manner. Please use the same zoom link for class lectures (available in Canvas): Wed 8:00 am – 10:00am

Course Title (Name)	Days/Times	Location
Statistical Methods for Business and Economics – Section 1 (70065)	Weeks 1- 4 Tuesday/ Thursday 9:00AM - 1:15PM Weeks 5 Tuesday 11:00AM - 12:15PM Thursday (Final Exam): 9 am – 1:15 PM	Online Synchronous: Zoom Link available in Canvas

TEACHING TEAM INFORMATON

Teaching Assistant (TA) Section 1	Office Hours	Section	Zoom Link to Office Hours and Section
Yongqi Chen ychen574@ucsc.edu	Monday 8 AM - 9 AM & Tuesday 8 AM - 9 AM	Thursday from 8 AM - 9 AM	https://ucsc.zoom.us/j/9468467362?pwd=aBhKKQFw6fOi0pSfqgJnTZ2IFVdjr.1
Jacob Fontana jfontan@ucsc.edu	Tuesday 2 PM - 3 PM & Wednesday 10 AM - 11 AM	Friday from 12:30 PM – 1:30 PM	Section: https://ucsc.zoom.us/meeting/register/tJYtceurTMoGdzcOPe5_Jf3WR8k-y18h2W7 Office Hours: https://ucsc.zoom.us/j/95938225485?pwd=dgwEj5laR18DHLmup464blqbb6brGf.1
LSS Tutor: Sadhika Agarwal sagraw17@ucsc.edu		Monday: 12:00 PM - 1:00 PM Wednesday: 11:30 AM - 12:30 PM Friday: 1:15 PM - 2:15 PM	To attend my sessions, sign up on TutorHub online (https://lss.ucsc.edu/lss-tutor-hub/index.html).

TA Sections & LSS Tutor Sessions

Everyone needs to sign up for a Teaching Assistant (TA) section. Each TA will hold **one section for an hour** each week. Attendance in TA sections is **not mandatory** but highly recommended. It means that you can join a TA section that works for you. If you are not on the TA's section list, please let the TA know that you are attending his/her section. TA sections will complement the lectures (reinforcing concepts from lectures, going over problems solved in class, quiz problems, problem set answers, midterm exam answers, etc.). Going to TA sections will give you **valuable extra credit points**. Each week, each TAs will also hold **two hours of office hours**. The TA office hours and sections will be held in a remote synchronous manner (on Zoom – see above for the TA zoom links).

LSS Tutor will complement the TA sections & the class but not substitute them. Going to LSS tutor will not give any extra credit points.

Class Attendance, Netiquette, Notetaking & Electronics policy:

Attendance in class strongly recommended. Class attendance is not taken or graded. Please do not send me emails trying to justify your absences. You will be responsible for the material taught in the class if you are absent. You can use cell phones and laptops for academic purposes only. Please take off earphones before class starts. Follow Along Class lectures will be posted at least 2 hours before the class. The Follow Along class lectures will be substituted by the Annotated Class Lectures after the class. You will need to go over the Annotated class lectures to do your homework. The classes will be recorded and the zoom video links will be available on canvas. You can access them after class once the videos are processed in zoom. Note that video is not a substitute to coming to class. Coming to class and notetaking is absolutely essential for your success in this class.

LEARNING OUTCOMES

1. Produce appropriate graphical and numerical descriptive statistics for different types of data.
2. Apply probability rules and concepts related to discrete and continuous random variables to answer questions within a business and economics context.
3. Demonstrate understanding of (a) the development of point estimates for unknown population quantities based on appropriate sample quantities and (b) the process of deriving sampling distributions for point estimates.
4. Demonstrate knowledge of the importance of the Central Limit Theorem (CLT) and its applications.
5. Conduct and interpret a variety of hypothesis tests (and construct and interpret a variety of confidence intervals) to aid decision-making in a business and economics context.
6. Use simple regression models to analyze the underlying relationships between the observed variables through hypothesis testing, confidence intervals, and predictions.

PREREQUISITES/COREQUISITES

Prerequisite(s): Score of 300 or higher on the mathematics placement examination (MPE), or AM 3 or AM 11A or MATH 3 or MATH 11A. MATH 19A strongly recommended. Concurrent enrollment in STAT 17L is required.

REQUIRED MATERIALS, TEXTBOOKS AND TECHNOLOGY

Laptop or Desktop Computer: You will need a computer for homework, in-class activities, and discussion sections. You will not be able to complete most of the work on

a mobile device. Students who need a laptop can make use of the library's borrow program: <https://library.ucsc.edu/services/computing/borrow-a-laptop>.

The Practice of Statistics for Business and Economics, Moore, McCabe, Alwan. ISBN-10: 1319109004. Different editions of the book will work, but please confirm the order of the topics with the instructor. If you want you can purchase this book. But a PDF of the textbook is available in Canvas.

Elementary Statistics: Navidi, William & Monk, Barry; This Book is available on ALEKS & is included in the price for ALEKS (you do not need to pay for it separately)

This course will also be using **McGraw Hill ALEKS** for students to do Homework (auto graded with feedback). This software comes with the eBook called Elementary Statistics: Navidi & Monk. The link to **ALEKS** will be available in **Canvas**. There is **no need to purchase it** as it is already billed through the burser's office in your tuition, and at the lowest guaranteed price (**\$37.50**). This policy is called the **Inclusive Access (IA)** program. You can get access to **ALEKS** by clicking on ALEKS link on the left navigation panel of Canvas.

ALEKS allows you multiple attempts for every question. The highest score is kept. This is a great learning tool. After you are done answering a homework, you must **click on submit your work** in **ALEKS** for the grades to populate in **Canvas**.

If you have a course voucher: Email me! In case you get stuck with some **technical issue: Customer Care Support for Technical Questions: 800 – 258 -2374**

Connect and SIMnet

Visit the Tech Online Support Center
or contact us below:

Hours of Operation:

Sunday: 12:00 PM to 12:00 AM ET
Monday-Thursday: 24 hours
Friday: 12:00 AM to 9:00 PM ET
Saturday: 10:00 AM to 8:00 PM ET

Phone: (800) 331-5094

Online: Submit a Support Request

Chat: Chat with a Representative

ALEKS

Visit the Tech Online Support Center
or contact us below:

Hours of Operation:

Sunday: 4:00 PM to 1:00 AM ET
Monday-Thursday: 7:00 AM to 1:00 AM ET
Friday: 7:00 AM to 9:00 PM ET

Phone: (800) 258-2374

Online: Submit a Support Request

Chat: Chat with a Representative

VERY IMPORTANT FACT ABOUT ALEKS

- If you want to take this class, **DO NOT** drop out of Inclusive Access
- The deadline for dropping out of Inclusive Access is on **Monday Aug 12** (do this only if you are not going to take this class)

- If you accidentally drop out, but continue taking this class, you will lose access to **ALEKS** Homework. We will have to figure out a way to get you back in but you may not get the software at the cheapest price.

Technology: Personal computer with Zoom, Canvas, ALEKS, STATA software and Google Suite access. Zoom links will be posted in Canvas.

COMMUNICATION

All communications outside the classroom will be held via Canvas and email (preferred).

ASSIGNMENTS & ASSESSMENT

- **Final Exam (300 points)** – Last Day of Classes (**Thu Aug 29**). Includes multiple choice questions, True/False questions, can contain images, timed; single attempt, one question at a time, auto graded. Questions are based on content taught in the class, problem sets and connect quizzes. Proctored exam (on Zoom), open book open notes. The exams will be open for a few days. You cannot take the exam after the hard/firm deadline (“Available Until” in Canvas). Final Exam is cumulative. Please have your IDs ready for the TA or the professor on the day of the Final Exam. If you **miss the final exam for any reason**, I cannot give you a makeup. You will have to talk to Summer quarter people to figure out what to do next.
- **ALEKS (300 points)** – Multiple Choice, no proctoring, open book open notes, auto graded. Can contain images. You can come back to work that is left incomplete, but you will need to complete all of these Homework by the last day of the course. Unlimited attempts, highest score kept for grading purposes. These quizzes are graded automatically. These quizzes are not timed. You can come back and start where you left off. But you need to save and exit before you go away. Once you are done, you have to SUBMIT, otherwise your score will not show up on Canvas Grade book. If it does not show up on Canvas Gradebook, I will assume you have not done the work and the incomplete will automatically turn into 0.
- **Problem Sets (400 points: 2PS)** –Submit Problem Sets in Canvas individually. The need to be **handwritten**. No, you cannot use your ipad, or good notes or other software. We want to go old school here. They will focus on analytical questions, Graph Drawing & Math Calculations (by hand, you can check your work using Desmos, but in the submitted answers, please draw by hand. Similarly, you can check your work in excel, in the submitted answers, do the math by hand). Only upload **a single PDF file**. (Do not link it to google drive or do not connect google drive files directly into canvas). All questions must be answered, and all relevant work (including mathematical calculations and graphs with proper labels) shown to get credit. You may discuss homework assignments with other students; however, homework should be completed and submitted individually.
- The responsibility of submitting the correct file lies with you. If the TA cannot see your submission or you submit an incorrect file, you will not get any credit for the work. Please do not email me your files – emailed work will not be graded for any reason. Please do not upload files in the comment section of canvas assignments. Avoid working on these problem sets close to the deadlines to not be affected by technical errors.

- Please note that if you miss a Problem Set, there will not be any way to repeat it. Please do not email me after the hard deadline and ask me to give you an extension. This is unfair to students who submitted their work on time. Please start your work ahead of time and get it done before the hard deadline.
- You will be grading homework assignments, primarily **based on completion** (i.e., answering all questions and their subparts; drawing all graphs with proper labeling); but **TAs can take points** for using incorrect formula, incorrect graphs, graphs that are not labeled, math calculations not shown in detail, incorrect concepts, not answering a certain question completely, not answering a question at all, not submitting the correct file, not submitting any file etc.
- **Extra Credit:** There will be extra credit opportunities. Extra credit is a way to help you through any kind of difficulty that you might encounter, and to support you in case you miss some lectures or assignments. Note, however, there will be no extra assignments nor changes when the final grades are posted.
- **Extra Credit TA Points (30 points)** At the end of the quarter, TAs give these points to students for regularly attending and participating in sections. TAs will keep track of who is coming to the discussion sections regularly & participating fully. If you are not registered in a TA section, it is your responsibility to tell the TAs that you are new to a section and you want to continue attending that section from now on. Here is a **method TAs frequently use for giving extra credit points**: 100% credit for attending at least 4 sections, 80% for attending 3, 60% for attending 2, and so forth. Please follow the same criteria to be consistent.
- **Extra Credit Syllabus Acknowledgement Quiz (1 point)**
- **Class Participation (0 points):** While you will not be graded separately on class participation; I will expect the respect and cooperation necessary to make learning productive and interesting. Class attendance is not mandatory but highly recommended. I may take attendance for my own recordkeeping.

Understanding Deadlines for this class

- **Soft deadlines** are nudges (“Due By” in Canvas and Connect). You can submit your work after soft deadlines.
- You cannot submit your work after the **Hard Deadlines** (“Available Until” in Canvas).
- If you submit your work in Canvas after the soft deadline Canvas will mark your work as late. But no points will be deducted for such lateness.
- In **ALEKS**, the Hard deadline is automatically the **last day of the quarter (Fri Aug 30 by 11:59 PM)**
- Deadlines for all assignments will be available in every class lecture (**Annotated Slides**)

MISSED HOMEWORK POLICY

- You can resubmit any number of times till the hard deadline.
- You cannot attach your work to the Comments section of Canvas Assignments and claim that it was submitted – look at the time stamp.

- You may not resubmit if we find you forgot to attach a piece of your work after the hard deadline.
- All homework answers (without DRC approval) submitted after the hard deadline but before the answers are posted will be penalized at least 20%.
- All homework answers (without DRC approval) submitted after the solutions to that homework are posted, will be penalized at least 75%.
- By department and university policy I am not allowed to ask for or review any students' medical records. If you need accommodation for late homework submission, you need to contact DRC. Remember the homework questions are open for a while for you to answer. It is expected that you submit within the hard deadline. I will not have the time to make additional makeup homework assignments.
- If you fail to **submit ALEKS** quizzes (without DRC approval) within the hard deadline; you **will not be** allowed a retake.
- If you **miss the final exam for any reason**, I cannot give you a makeup. You will have to talk to Summer quarter people to figure out what to do next.

GRADING POLICY

- **Total Course Score** = Final Exam + Problem Sets + ALEKS Homework + TA Bonus + Syllabus Acknowledgement Quiz + Curving Bonus (if it applies)
- Round the final score to the next integer.
- **Curving Bonus:** Total Course Score is curved: Each student gets the **positive difference** between the highest score for **A (930)** and the **highest raw score total up to 3 points**.
- **Extra Credit:** Syllabus Acknowledgement Quiz
- **Extra Credit:** TA Bonus

The final course score will be on a 0-1000-point scale; course grades will then be assigned as follows:

Score	Letter Grade	Score	Letter Grade
$x \geq 960$	A+	$700 \leq x < 749.99$	C+
$930 \leq x < 959.99$	A	$650 \leq x < 699.99$	C
$900 \leq x < 929.99$	A-	$600 \leq x < 649.99$	C-
$850 \leq x < 899.99$	B+	$500 \leq x < 599.99$	D
$800 \leq x < 849.99$	B	$x < 500$	F
$750 \leq x < 799.99$	B-	$x \geq 650 / x < 650$	P/NP

Grades Timeline

- Typically, the grading will be done in a few days to a week after the hard deadline
- Please ask the grade questions right after the grading is done

- **Grades will be posted on the system on Wednesday Sept 3, 2024. I cannot modify any grades after that.**

Problem Set, ALEKS, Exams Grading, Grade Appeal Policy:

Problem sets are submitted and graded in canvas. They will be graded and returned with some feedback. You should compare the answers of the problem sets in Canvas to your own work. The TA will go over the answers in the sections after the hard deadline. Before the hard deadline, the TAs can help you figure out the problems, with giving examples of similar problems. You need to know how to look up comments in Canvas ([How do I view assignment comments from my instruct... - Instructure Community \(canvaslms.com\)](#)). If you have grading questions about a problem set, then please clarify with the TA within **two days of grading** that problem set.

ALEKS Homework assignments are self-graded. If you have grading questions about a the exam then please clarify with the TA within **two days of grading** that particular exam.

Grade Cutoffs

When the time for final grades comes, I often receive emails from students who believe they are close to the cutoff for a higher letter grade and want to be rounded up. It is unfair to round your grade when those of others are not. Since I cannot honor these requests and my reasons are given here, I may not respond to such emails. **Note:** While A grades are desired by all, not everyone is going to get an A. Getting a B or better is often considered to be a good grade in Econ by recruiters. Often the difference between a higher grade and your score is small – if you make sure that you have gone to the TA sections you will perhaps be in a better position to make the higher grade.

STUDENT HOURS FOR CLASS

This is a 5-unit course taught over 5 weeks. It will require 6.5 hours of lecture, 1 hour of section; 10 hours of reading & homework per week (For comparison a 10 week class, the Stats department requirement is about 15 hours per week).

INSTRUCTOR FEEDBACK

The TAs will provide direct comments and feedback on student assignments.

STUDENT FEEDBACK

At the end of the quarter, you will be asked to complete a Student Experience of Teaching survey for this course. SETs provide an opportunity for you to give valuable feedback on your learning that is honest and constructive. This anonymous feedback will help me consider modifications to the course that will help future students learn more effectively.

COURSE SCHEDULE

Week # & Dates	Topics	STAT17 – Business Statistics (Moore et al. textbook):
Week 1	Intro & Descriptive Statistics, Probability	Chapter 1 – 1.1, 1.2, 1.3; Chapter 2 – 2.1, 2.2, 2.4; Chapter 3 – 3.1
Week 2	Probability, Probability Distributions (Binomial, Normal)	Chapter 4 – 4.1, 4.2, 4.3, 4.4, 4.5; Chapter 5 – 5.1, Chapter 1 – 1.4;
Week 3	Sampling Distribution & CLT, Confidence Intervals, Test of Means	Chapter 6 – 6.1, 6.2; Chapter 7; Chapter 8 – 8.1
Week 4	Hypothesis Testing, Regression, Categorical Data	Chapter 6 – 6.3, 6.4, 1.3; Chapter 10; Chapter 2.3; Chapter 9 – 9.1
Week 5	Final Exam Review & Final Exam	

MAJOR GRADED ASSIGNMENTS

Assignment	Soft Deadline by 11:59 PM	Hard Deadline by 11:59 PM	Points
ALEKS Homework 1	Fri Aug 30	Fri Aug 30	31
ALEKS Homework 2	Fri Aug 30	Fri Aug 30	20
ALEKS Homework 3	Fri Aug 30	Fri Aug 30	46
ALEKS Homework 4	Fri Aug 30	Fri Aug 30	3
ALEKS Homework 5 – Part 1	Fri Aug 30	Fri Aug 30	30
ALEKS Homework 5 – Part 2	Fri Aug 30	Fri Aug 30	30
ALEKS Homework 6	Fri Aug 30	Fri Aug 30	30
ALEKS Homework 7	Fri Aug 30	Fri Aug 30	60
ALEKS Homework 8	Fri Aug 30	Fri Aug 30	10
ALEKS Homework 9	Fri Aug 30	Fri Aug 30	35
ALEKS Homework 10	Fri Aug 30	Fri Aug 30	5
Problem Set 1	Sun Aug 11	Thu Aug 15	200
Problem Set 2	Sun Aug 25	Thu Aug 29	200
Final Exam	Thu Aug 29	Thu Aug 29	300
Syllabus Acknowledgement Quiz (Extra Credit)	Sun Aug 4	Sun Aug 4	

ACADEMIC INTEGRITY

All members of the UCSC community benefit from an environment of trust, honesty, fairness, respect, and responsibility. You are expected to present your own work and acknowledge the work of others in order to preserve the integrity of scholarship.

Academic integrity includes:

- Following exam rules
- Using only permitted materials during an exam
- Viewing exam materials only when permitted by your instructor
- Keeping what you know about an exam to yourself
- Incorporating proper citation of all sources of information
- Submitting your own original work

Academic misconduct includes, but is not limited to, the following:

- Disclosing exam content during or after you have taken an exam
- Accessing exam materials without permission
- Copying/purchasing any material from another student, or from another source, that is submitted for grading as your own
- Plagiarism, including use of Internet material without proper citation
- Using cell phones or other electronics to obtain outside information during an exam without explicit permission from the instructor
- Submitting your own work in one class that was completed for another class (self-plagiarism) without prior permission from the instructor.
- Violations of the Academic Integrity policy can result in dismissal from the university and a permanent notation on a student's transcript. For the full policy and disciplinary procedures on academic dishonesty, students and instructors should refer to the [Academic Misconduct page](#) at the [Division of Undergraduate Education](#).

GENERATIVE AI

- It can be tempting to lean on AI in ways that do not align with UCSC's academic integrity expectations and could harm both your learning process and your future career. Misusing AI tools, or any other resource, can be a violation of [UCSC's Academic Integrity Policy](#). Misuse may result in serious academic and disciplinary consequences — just as with other forms of plagiarizing and cheating.

ACCESSIBILITY

UC Santa Cruz is committed to creating an academic environment that supports its diverse student body. If you qualify for classroom accommodations because of a disability, please submit your Accommodation Authorization Letter from the Disability Resource Center (DRC) <http://drc.ucsc.edu/> to me as soon as possible, preferably within the **first two week of classes; through a new system called [Accommodate \(ucsc.edu\)](#)**. I encourage all students who may benefit from learning more about DRC services to contact the DRC by phone at 831-459-2089 or by email at drc@ucsc.edu.

STUDENT HEALTH ISSUES

I am required by the department protocol **NOT to ask for or receive any health-related paperwork (such as a doctor's note)**. Students are **requested to contact DRC to get health related accommodations**. Unless **DRC approves accommodations (through Accommodate website)**, **I cannot give you accommodations. DRC accommodations cannot be given retroactively.**

INTELLECTUAL PROPERTY

The materials in this course are the intellectual property of their creators. As a student, you have access to many of the materials in the course for the purpose of learning, engaging with your peers in the course, completing assignments, and so on. You have a moral and legal obligation to respect the rights of others by only using course materials for purposes associated with the course. For instance, you are not permitted to share, upload, stream, sell, republish, share the login information for, or otherwise disseminate any of the course materials, such as: video and audio files, assignment prompts, slides, notes, syllabus, simulations, datasets, discussion threads. Conversely, any materials created solely by you (for example, your videos, essays, images, audio files, annotations, notes) are your intellectual property and you may use them as you wish.

RELIGIOUS ACCOMMODATION

UC Santa Cruz welcomes diversity of religious beliefs and practices, recognizing the contributions differing experiences and viewpoints can bring to the community. There may be times when an academic requirement conflicts with religious observances and practices. If that happens, students may request reasonable accommodation for religious practices. The instructor will review the situation in an effort to provide a reasonable accommodation without penalty. You should first discuss the conflict and your requested accommodation with your instructor early in the term. You or your instructor may also seek assistance from the [Dean of Students office](#).

ALL-GENDER RESTROOMS

UC Santa Cruz is committed to the well-being of all students and cares about all students feeling safe and welcome, regardless of their gender identity, expression, and/or embodiment. The [Lionel Cantú Queer Center](#) has worked with students and campus staff to create more safe and accessible restrooms for transgender and genderqueer students, staff, faculty, alumni, and UCSC visitors. A [complete list of all-gender restrooms](#) on campus was compiled and is maintained by the Cantú Queer Center.

PRINCIPLES OF COMMUNITY

The University of California, Santa Cruz expressly prohibits students from engaging in conduct constituting unlawful discrimination, harassment or bias... [More here](#). I am committed to providing an atmosphere for learning that respects diversity and supports inclusivity. We need to work together to build this community of learning. I ask all members of this class to:

- be open to and interested in the views of others
- consider the possibility that your views may change over the course of the term
- be aware that this course asks you to reconsider some “common sense” notions you may hold
- honor the unique life experiences of your colleagues

- appreciate the opportunity that we have to learn from each other
- listen to each other's opinions and communicate in a respectful manner
- keep confidential discussions that the community has of a personal (or professional) nature
- ground your comments in the texts we are studying. Refer frequently to the texts and make them the focus of your questions, comments, and arguments. This is the single most effective way to ensure respectful discussion and to create a space where we are all learning together.

TITLE IX/CARE ADVISORY

UC Santa Cruz is committed to providing a safe learning environment that is free of all forms of gender discrimination and sexual harassment, which are explicitly prohibited under Title IX. If you have experienced any form of sexual harassment, sexual assault, domestic violence, dating violence, or stalking, know that you are not alone. The Title IX Office, the Campus Advocacy, Resources & Education (CARE) office, and Counseling & Psychological Services (CAPS) are all resources that you can rely on for support.

Please be aware that if you tell me about a situation involving Title IX misconduct, I am required to share this information with the Title IX Coordinator. This reporting responsibility also applies to course TAs and tutors (as well to all UCSC employees who are not designated as “confidential” employees, which is a special designation granted to counselors and CARE advocates). Although I have to make that notification, you will control how your case will be handled, including whether or not you wish to pursue a formal complaint. The goal is to make sure that you are aware of the range of options available to you and that you have access to the resources you need.

Confidential resources are available through [CARE](#). Confidentiality means CARE advocates will not share any information with Title IX, the police, parents, or anyone else without explicit permission. CARE advocates are trained to support you in understanding your rights and options, accessing health and counseling services, providing academic and housing accommodations, helping with legal protective orders, and more. You can contact CARE at (831) 502-2273 or care@ucsc.edu.

In addition to CARE, these resources are available to you:

- If you need help figuring out what resources you or someone else might need, visit the [Sexual Violence Prevention & Response \(SAFE\) website](#), which provides information and resources for different situations.
- [Counseling & Psychological Services \(CAPS\)](#) can provide confidential counseling support. Call them at (831) 459-2628.
- You can also report gender discrimination and sexual harassment and violence directly to the University's [Title IX Office](#), by calling (831) 459-2462 or by using their [online reporting tool](#).
- Reports to law enforcement can be made to the UC Police Department, (831) 459-2231 ext. 1.
- For emergencies, call 911.

REPORT AN INCIDENT OF HATE OR BIAS

The University of California, Santa Cruz is committed to maintaining an objective, civil, diverse and supportive community, free of coercion, bias, hate, intimidation, dehumanization or exploitation. The Hate/Bias Response Team is a group of administrators who support and guide students seeking assistance in determining how to handle a bias incident involving another student, a staff member, or a faculty member. To report an incident of hate or bias, please use the following form: [Hate/Bias Report Form](#).

STUDENT SERVICES

[Counseling and Psychological Services](#)

Many students at UCSC face personal challenges or have psychological needs that may interfere with their academic progress, social development, or emotional wellbeing. The university offers a variety of confidential services to help you through difficult times, including individual and group counseling, crisis intervention, consultations, online chats, and mental health screenings. These services are provided by staff who welcome all students and embrace a philosophy respectful of clients' cultural and religious backgrounds, and sensitive to differences in race, ability, gender identity and sexual orientation.

[Student Success and Engagement Hub](#)

The Division of Student Success provides campus-wide coordination and leadership for student success programs and activities across departments, divisions, the colleges, and administrative units.

[Tutoring](#) and Learning Support

At Learning Support Services (LSS), undergraduate students build a strong foundation for success and cultivate a sense of belonging in our Community of Learners. LSS partners with faculty and staff to advance educational equity by designing inclusive learning environments in Modified Supplemental Instruction, Small Group Tutoring, and Writing Support. When students fully engage in our programs, they gain transformative experiences that empower them at the university and beyond.

[Slug Support Program](#)

College can be a challenging time for students and during times of stress it is not always easy to find the help you need. Slug Support can give help with everything from basic needs (housing, food, or financial insecurity) to getting the technology you need during remote instruction. To get started with SLUG Support, please contact the [Dean of Students](#) Office at 831-459-4446 or you may send us an email at deanofstudents@ucsc.edu.

Slug Help/[Technology](#)

The ITS Support Center is your single point of contact for all issues, problems or questions related to technology services and computing at UC Santa Cruz. To get technological help, simply email help@ucsc.edu.

On-Campus Emergency Contacts

Slug Help/[Emergency Services](#). For all other help and support, including the health center and emergency services, start [here](#). Always dial 9-1-1 in the case of an emergency.