



BIOE 107
ECOLOGY

UCSC SUMMER SESSION 1
June 20 - July 22, 2022

INSTRUCTOR
Regina Spranger



LEARNING OBJECTIVES

Ecology is the study of the distribution and abundance of species! By the end of the course you should be able to:

1. Understand the broad themes and subtopics in ecology through the lens of relationships between organisms and their environment
2. Critically read and synthesize primary literature in ecology
3. Apply the scientific method and improve scientific writing skills
4. Identify and compare the approaches used to study ecology (experimental, observational, comparative etc.)

RECOMMENDED TEXTS

There are no "required" texts but, if you find a book beneficial, these are the best ones:

- A Primer of Ecology by Gotelli. Sinauer Press. 4th Ed.
- Ecology by Cain, Bowman and Hacker. Sinauer Press. 3rd or 4th ed.

THE PEOPLE



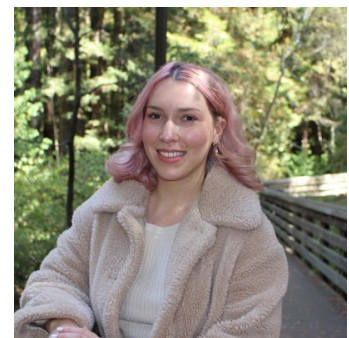
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*Find our zoom office hour links on canvas

COURSE BREAKDOWN

PARTICIPATE

- **Weekly Reflections 5%**
- **Piazza Q&A (ask questions and respond to classmates) 5%**

TEST YOUR LEARNING

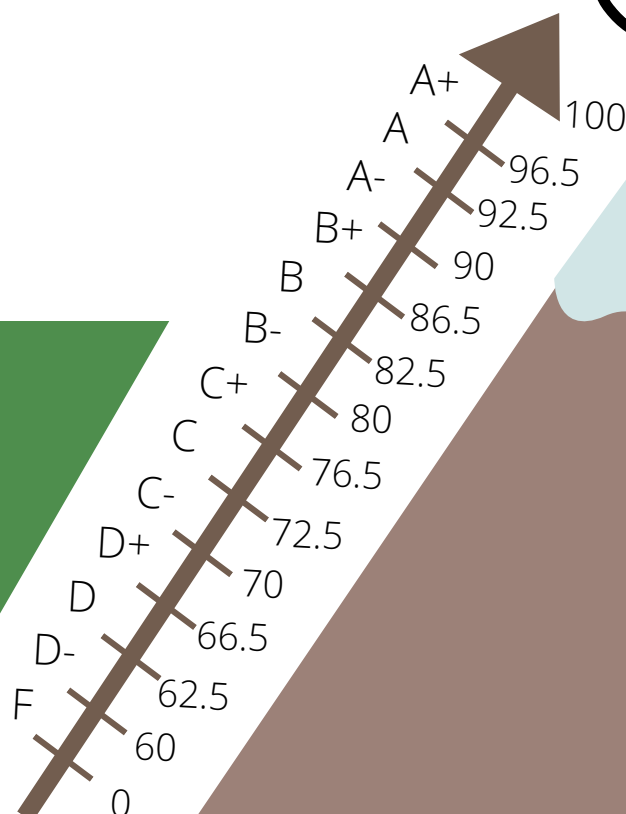
- **Practice Problems 15%**
 - Apply mathematical models to inform realistic conservation practices
- **"Daily" Quizzes 15%**
 - Low stakes assessments to use as study aids to keep you up to date on material
- **Midterm 15% & Cumulative Final 15%**
 - Demonstrate what you've learned with definitions, matching, MCQ and short answer

LEARN TO WRITE LIKE AN ECOLOGIST

- **Field Notebook 10%**
 - Identify ecological patterns and form research questions after recording your field observations
- **Research Proposal 20%**
 - Develop a field book entry into a short proposal

Extra Credit...

Read papers and answer extra credit questions on quizzes!



HOW DOES THIS CLASS WORK?

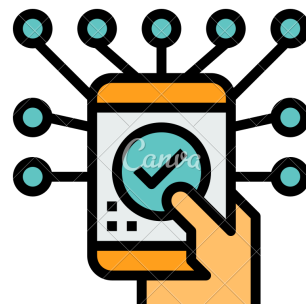
This course is designed to work asynchronously in order to account for the fact that student lives are dynamic (work, sharing a household computer etc.). Lectures and quiz/exam/assignment instructions are posted so you are welcome to complete the weekly work at your own pace.

CANVAS

01

Canvas will be your go-to place for all assignments/links (Piazza and Zoom etc.)

- Turn in all assignments/quizzes/exams online via Canvas by 11:59 pm on the listed due date!
- Use the weekly guide to plan out your week!



02

GET YOUR QUESTIONS ANSWERED

- Video chat with the professor or TAs during their open office hours or email them to set up an appointment that works for you!
- Use piazza to ask questions and interact with your peers! (also earn points!)

03

LATE POLICY

- 10% of the total points will be deducted per day (including weekends)





ACADEMIC INTEGRITY

Academic integrity is the cornerstone of a university education. Academic dishonesty diminishes the university as an institution and all members of the university community. It tarnishes the value of a UCSC degree. All members of the UCSC community have an explicit responsibility to foster an environment of trust, honesty, fairness, respect, and responsibility. All members of the university community are expected to present as their original work only that which is truly their own. All members of the community are expected to report observed instances of cheating, plagiarism, and other forms of academic dishonesty in order to ensure that the integrity of scholarship is valued and preserved at UCSC.



In the event a student is found in violation of the UCSC Academic Integrity policy, they may face both academic sanctions imposed by the instructor of record and disciplinary sanctions imposed either by the provost of their college or the Academic Tribunal convened to hear the case. 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 Integrity page at the Division of Undergraduate Education.

STUDENT ACCESSIBILITY

Please be sure to introduce yourself to me early in the class and let me know how I may facilitate your learning experience.

The **Disability Resources Center** reduces barriers to inclusion and full participation for students with disabilities by providing support to individually determine reasonable academic accommodations. Operations continue via remote appointments. If you have questions or concerns about exam accommodations or any other disability-related matter, email the DRC Schedulers at drc@ucsc.edu for an appointment.



TEACHING & DIVERSITY STATEMENT

This course will use a variety of methods to get the material across in an effort to accommodate the various learning needs of individuals. Readings, traditional lectures, supplemental videos and activities will all be used in this course.

I am committed to serving students from diverse backgrounds and perspectives equally in this course, to address the learning needs of students both in and out of class and to view the diversity brought to this class as a resource and advantage. I am committed to presenting the material in a way that is respectful and mindful of gender, sexuality, disability, age, socioeconomic status, race, ethnicity and culture. If there are ways to improve the course in these respects, please let me know.

TITLE IX

Title IX:

The university cherishes the free and open exchange of ideas and enlargement of knowledge. To maintain this freedom and openness requires objectivity, mutual trust, and confidence; it requires the absence of coercion, intimidation, or exploitation. The principal responsibility for maintaining these conditions must rest upon those members of the university community who exercise most authority and leadership: faculty, managers, and supervisors.

The university has therefore instituted a number of measures designed to protect its community from sex discrimination, sexual harassment, sexual violence, and other related prohibited conduct.

Information about the Title IX Office, the online reporting link, applicable campus resources, reporting responsibilities, the UC Policy on Sexual Violence and Sexual Harassment, and the UC Santa Cruz Procedures for Reporting and Responding to Reports of Sexual Violence and Sexual Harassment can be found at titleix.ucsc.edu.

The Title IX Office is actively responding to reports and requests for consultation. If you are not currently working with someone in the office and want to make a report/request a consult, you can expect the fastest response by using our online reporting link.

For more information please visit the Title IX Operations under Covid-19 page.

IMPORTANT SUMMER SESSION 2022 DEADLINES

Session 1:

Drop: Monday, June 27
Request for "W": Sunday, July 10

Session 2:

Drop: Monday, August 1
Request for "W": Sunday, August 14

8-Week:

Drop: Monday, July 4
Request for "W": Sunday, July 24

10-Week:

Drop: Monday, July 4
Request for "W": Sunday, July 24

Summer is unique. You will not be dropped for non-attendance or non-payment. You must drop yourself. Dropping before the deadline results in a full-tuition reversal/refund. Withdraw posts a W for the grade and full tuition is charged (no refund).

For all dates and deadlines, including 'change of grade option' (P/NP) and grades due, here is the summer academic calendar:
<https://summer.ucsc.edu/studentlife/index.html>

For questions about dropping, requesting a W grade for a course, or withdrawing from the summer quarter, email summer@ucsc.edu.

LAST BUT NOT LEAST....

If you need help **PLEASE ASK!!!** The teaching team is here to help you! You are **NOT** a bother to us, we **WANT** to hear from you and help you (also zoom office hours can be lonely if nobody visits us!). Communication is a key to success especially in such a fast-paced and involved course.

So with that, good luck!

