

ECOLOGY & EVOLUTION · MARINE BIOLOGY
PLANT SCIENCES · BIOLOGY BA

EEB Community



ISSUE NO. 02 · WINTER 2018

In this ISSUE

THE USUAL Because this stuff's important!

- **Letter Grade Policy**

All courses you take to fulfill your major requirements, both lower and upper division, must be taken for a Letter Grade.

- **C - Grades**

C- grades CANNOT be used to satisfy a major or GE requirement and cannot satisfy a prerequisite for another course. You must repeat a course if you receive a C- grade for major or pre-requisite credit. Only grades of "C" (2.0) or better will fulfill major requirements.

- **Required Labs**

If a course has a required lab you must pass both the lecture and lab to fulfill a major requirement.



SPRING ENROLLMENT UPDATES

Spring quarter's going to be big! Make the most of it

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OUR NEW WEBSITE

Find everything you need on EEB's new website

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SUMMER SESSION '18

Staying for summer? Let us help you plan!

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UCSC SCUBA

Learn to swim + dive like a pro at UCSC

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OPPORTUNITIES + RESOURCES

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Spring ENROLLMENT UPDATES

STUDENT CONTRACT



Be accountable

Be aware of deadlines and policies, go to class, meet with your Advisers, and **don't wait to ask for help** if you need it.



Read your email!

We know you get a ton of emails, so EEB Advising won't email you very often. But if we do it means it's important. **Read carefully.**



Don't forget to use your UCSC ID

When emailing EEB Advising, always include your **UCSC student ID number** and **only email us from your UCSC email account.** This helps us help you!

NEW SPRING CLASS SCHEDULE!

This spring EEB will be offering a lot of exciting courses! In order to offer this schedule **some courses will now be held in the early evenings.**

If you use the Route 22, 20, or 3 buses to travel to the Coastal Science Campus, please take extra care to check the bus schedule when planning your spring schedule.

Use the Santa Cruz Metro Trip Planner to plan your route: www.scmtd.com/en/

- Courses located in “**CoastBio**” rooms are held at the **Coastal Biology Building.**
- Courses located in “**Lg Discovery**” rooms are held at the **Seymour Marine Discovery Center.**
- Courses located in “**Ocean Health**” rooms are held at the **Center for Ocean Health.**



Spring ENROLLMENT UPDATES

COURSE UPDATES

BIOE 75 Scientific Diving Certification

For information, see Scientific Diving Program website: www2.ucsc.edu/sci-diving

BIOE 82 Intro to Field Research and Conservation

Interested in taking a 2-unit largely outdoor field course this spring? Enrollment by application and permission of instructor. **Apply by March 2**, the sooner the better! Apply here: www.eeb.ucsc.edu/academics/undergrad/courses-enrollment/field-research-field-course-flyer.pdf

BIOE 128L Field Methods for Large Marine Vertebrates

Students in this course will learn about a variety of field methods used by researchers studying seals, sea lion, whales, and seabirds.

Students will also participate in elephant seal research at Ano Nuevo Reserve! Due to the unique format of the class, it is limited to a small number of students. Please visit this website ASAP to apply: tinyurl.com/BIOE128L2018

Questions can be directed to the instructor: patrick.robinson@ucsc.edu



BIOE 148A Quantitative Ecology

Enrollment by interview and permission of instructor, please contact instructor Marm Kilpatrick akilpatr@ucsc.edu

BIOE 153ABC Arctic Ecology Field Quarter

Interviews for course were conducted in winter quarter. Accepted students with questions about their spring schedule should contact EEB Advising.

BIOE 183W

Students may enroll directly but must have a faculty sponsor arranged and a completed undergraduate research contract on file with the department by first class meeting.

BIOE 182F, 183L, 193, 193F, 195

Courses are offered Fall, Winter and Spring quarters. These courses do not appear in the schedule of classes. Enrollment is via undergraduate research contract. For details on courses, including prerequisites, see: undergrad.pbsci.ucsc.edu/eeb/undergrad-research/research-courses



ECOLOGY AND EVOLUTIONARY BIOLOGY

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- Getting Started
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- Major Declaration
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Ecology and Evolutionary Biology Undergraduate Program



ucsc.eeb



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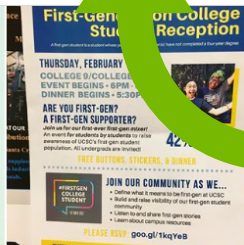
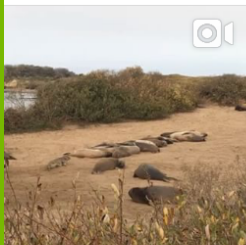
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UCSC EEB Advising

🌿🐦 Updates from Ecology & Evolutionary Biology Advising at University of California, Santa Cruz 🦉🌿

✉️ Need help? Email us at eebadvising@ucsc.edu
undergrad.pbsci.ucsc.edu/eeb/index.html



OUR NEW WEBSITE

EEB Advising is excited to unveil our new website! The new site is more streamlined, easier to navigate, and includes new features like:

- Major Maps
- Course updates + tips
- EEB Community: Events + News

WE'RE ON Instagram!



FOLLOW US
@UCSC.EEB

STAY FOR

SUM

MER

SESSION 1: JUNE 25 - JULY 27 SESSION 2: JULY 30 - AUG 31

ENROLLMENT OPENS ON MAY 1

SUMMER.UCSC.EDU

Summer WITH EEB

Have fun and take the classes you need this summer! Meet with an EEB Adviser now to create your academic plan

8 Week

BIOE 125 Ecosystems of California

Session 1

BIOE 20B Development & Physiology
 BIOE 20C Ecology & Evolution
 BIOE 107 Ecology (Online)
 BIOE 122/L Invertebrate Zoology

Session 2

BIOE 75 Scientific Diving Certification
 BIOE 109 Evolution (Online)
 BIOE 127/L Ichthyology
 BIOE 134/L Comparative Vertebrate Anatomy

2018 SUMMER FINANCIAL AID

Undergraduate Eligibility

Cost

\$281 per credit

5 credits: \$1,405

10 credits: \$2,810

15 credits: \$3,535

\$287* one time campus fee

*2017 rate

Save

Complete **15+** credits & receive a **\$680** discount.

Credits can be completed in one or more sessions.

Enrollment Requirements

6+ credits to be considered for federal & state aid including a **Summer Pell Grant** of up to \$1,973 if eligible.

10+ credits to be considered for the \$2,200 **Summer University Grant**. Must be a CA resident.

June 1 - Priority Enrollment

Enroll in summer classes by June 1 for priority financial aid packaging.

financialaid.ucsc.edu

summer.ucsc.edu





PC: Bernardi Lab

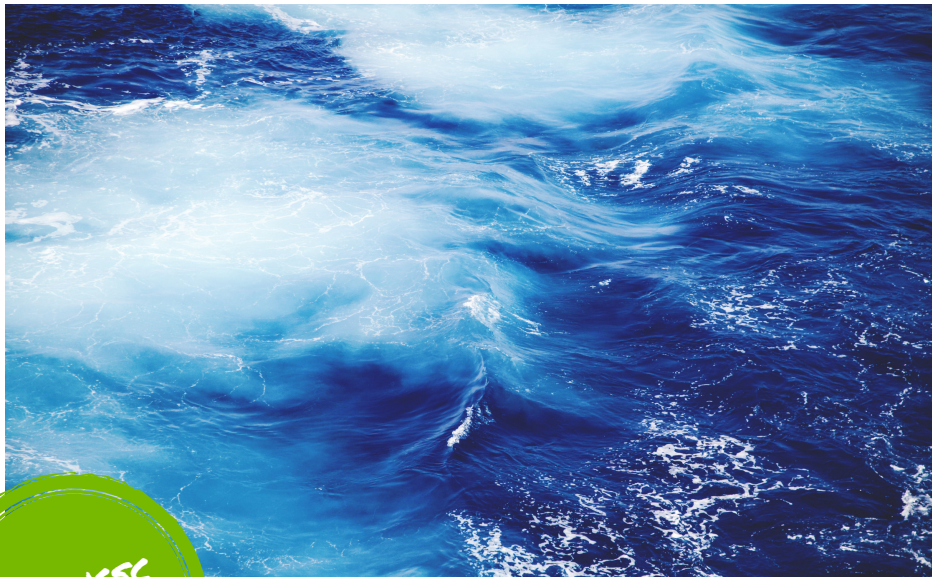
SCUBA + SWIMMING AT UCSC

Did you know UCSC offers courses on campus to take you from swimming novice to a certified Scientific Diver?

Swimming and SCUBA diving are critically important skills for Marine Biologists. Many employers also look for Scientific Diving Certification when looking for new grads to hire!

If you want to dive at UCSC you must have your **Scientific Diving Certification (AAUS)**.

OPERS offers the required swim and SCUBA courses to prepare you for **BIOE 75 Scientific Diving Certification**.



JOIN UCSC SCUBA CLUB!



PC: UCSC SCUBA Club

 A Scientific Diving Certification is required for:

- BIOE 161 + 161L**
Kelp Forest Ecology + Lab
- BIOE 159**
Marine Ecology Field Quarter

It's important to start your diving preparation early, so plan ahead!

 Vist ww2.ucsc.edu/sci-diving to get started.



OPPORTUNITIES + RESOURCES



LEARNING SUPPORT

Because everybody can use a little extra help to be their best

Learning Support Services

Learning Support Services (LSS) provides course-specific academic support services for all UCSC undergraduate students:

- Modified Supplemental Instruction (MSI)
- Small Group Tutoring
- Writing Tutoring
- Drop-In Tutoring
- Math Skills Workshops

Sign up for tutoring here: lss.ucsc.edu

Disability Resource Center (DRC)

The DRC provides a variety of accommodations and services to currently enrolled UCSC students to support them in making the most of their educational experience.

drc.ucsc.edu



FUNDING

Undergraduate Deans' & Chancellor's Award

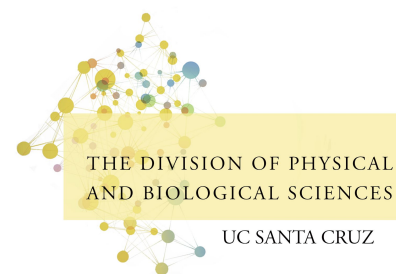
Applications for the 2017-2018 Deans', Chancellor's, and Steck Undergraduate Awards are now open. These awards recognize exceptional achievements in research projects or other creative activities, in order to both encourage outstanding scholarship and promote research as an important part of undergraduate education. In the Physical and Biological Sciences, students submit a completed thesis, usually a senior dissertation.

Apply here: dca.ue.ucsc.edu
Applications Due April 3

Funding for Undergraduate STEM Students

There are 3 new funding opportunities for undergraduate students in STEM. See the following page for more information.

Apply here:
<https://goo.gl/forms/akefhUcnTp078x7u2>
Applications Due March 15



February 2nd 2018

Re: Funding Opportunity for Undergraduate Research in Science and Technology

Dear Students,

I'm writing today to alert you to a funding opportunity for undergraduate research in science and technology administered by the Physical and Biological Sciences Division. Multiple awards may be issued ranging from \$500 to \$2000. There are three sources for the funds behind this call: one is designated for research in coastal sustainability (Gunderson Family Student Research in Coastal Sustainability Award), one is designated for research in Earth and ocean sciences (Kathryn D. Sullivan Award), and the largest is open to projects in any discipline that uses the scientific method (Undergraduate Research in Science and Technology Award).

Funds may be used to cover costs associated with conducting research or presenting research results. These may include lab fees, supplies, equipment expenses, travel associated with field work, and the costs associated with presenting research at conferences. Awarded funds may be used through spring quarter 2019. The applicant must be a registered UC Santa Cruz student when the funds are used.

Applicants must be in good academic standing. All UC Santa Cruz undergraduates are eligible to apply with the exception of seniors who will graduate at the end of winter quarter 2018, within the conditions as noted below:

For the **Undergraduate Research in Science and Technology Award**, priority will be given to applications from students with a major or a faculty mentor (sponsor) in the Physical & Biological Sciences Division or the Baskin School of Engineering, though students earning majors from other divisions may be considered if their research employs the scientific method.

For the **Kathryn D. Sullivan Award** a preference will be given to upper division students who have declared their major and achieved distinction in their chosen major. This award will be based on academic merit, and is open to students in any major whose research focuses on Earth and ocean sciences. The **Gunderson Family Student Research in Coastal Sustainability Award** is open to students at all levels and in any major whose research focuses on coastal sustainability.

The Dean of Physical and Biological Sciences will appoint a faculty committee to evaluate proposals and decide how to distribute awards. Overall quality and completeness of your research proposal will be the primary criterion for these awards. In addition, academic and scientific merit of the project will be considered and significant weight will be given to the letter of recommendation from your sponsor.

A student applying for a grant in the \$1000 to \$2000 range may also be considered for a \$500 to \$1000 grant if the larger amount is not funded. If the applicant wishes to be considered for both funding levels, justifications for both amounts should be addressed in the budget.

Applications are due on March 15, 2018. A completed application packet includes:

Astronomy & Astrophysics • Chemistry & Biochemistry • Earth & Planetary Sciences • Ecology & Evolutionary Biology • Mathematics • Microbiology & Environmental Toxicology • Molecular, Cell & Developmental Biology • Ocean Sciences • Physics • Science Communication

An online application form available at <https://goo.gl/forms/akefhUcnTp078x7u2>

Please remember:

- Email supporting materials to pbsanaly@ucsc.edu with subject line "Undergrad Research in Science/Tech Application":
- Unofficial transcript (from your Student Portal)
- Proposal Overview, including abstract and schedule with major milestones
- Budget, which is attached to this email and can be found [here](#)
- A reference letter (emailed directly by the faculty sponsor) addressing the strengths of the student, the plan for training the student in the lab, a brief description of the project and the student's role therein.

In addition to their project research, all award recipients will be expected to do the following:

- Complete the student-survey questions included in the award notification
- Write a typed thank you note to the donor who supported your project and provide a picture of yourself.
- Provide a summary of the project's results upon completion (1-page summary, poster, or published paper)
- If you are on campus or can travel to campus in summer 2018, you should present a poster at the Summer Undergraduate Research Symposium and attend the reception following it.

Applicants will be notified of their status by **April 6, 2018**. Funds will be transferred to their mentors' research accounts.

If you have questions, please contact:

Matt Menor, Administrative Specialist, Physical and Biological Sciences Division

Email: pbsanalyst@ucsc.edu

Phone: (831) 502-8190

Sincerely,



David Belanger
Acting Dean, Physical and Biological Sciences
Professor, Physics

California Ecology and Conservation

immerse yourself
in the *process* and *practice* of science

Spend 7 weeks at UC Natural Reserves
Earn 19 quarter/15 semester units

Intensive instruction in:
hypothesis development • statistics
experimental design • public speaking
• scientific writing and publication

Apply at www.ucnrs.org



Natural Reserve System
UNIVERSITY OF CALIFORNIA



Natural Reserve System

CALIFORNIA ECOLOGY & CONSERVATION

www.ucnrs.org/teaching/cec



IMAGE: CHRISTOPHER WOODCOCK

California Ecology and Conservation

open to undergraduates from across the UC system

information for UC Santa Cruz students

COURSE

NRS BIOL/ENVS 188 California Ecology and Conservation

Yields a total of 19 units

CREDIT ALLOCATIONS

Ecology and Evolutionary Biology Department Majors

includes Ecology and Evolution, Marine Biology, and Plant Sciences majors

Three upper division electives, either topical or general EEB electives depending on the major

Senior exit requirement

Environmental Studies Major

Three upper division courses

DATES

	Spring 2018	Summer 2018	Fall 2018
Applications open	08-15-17	11-01-17	02-12-18
Applications due	10-23-17	02-05-18	04-22-18
Instruction begins	03-29-18	06-25-18	09-26-18
Instruction ends	05-17-18	08-13-18	11-14-18