UNDERGRADUATE NEWSLETTER

MARCH 2017

Department of Biology

Colorado State University

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SPRING BREAK!

Spring Break is Monday, March 13th - Friday, March 17th

Walk-In Advising Hours

The Academic Support Center will not offer any advising appointments over Spring Break, but we will have walk-in advising hours everyday. We will offer walk-in advising Monday-Friday from 9-11am and 1-3pm. Regular appointments/walk-in hours will resume after Spring Break (Monday, March 20th).

BioTech CONNECT

Changing Lives Through Science

RSVP REQUIRED

March 2

5:30pm to 8:00pm

LSC Ballrooms C&D

"TEDTalk"-style presentations about Innovations in Technology

career.colostate.edu

CAREER CENTER
COLORADO STATE UNIVERSITY

CAREER

INTERNATIONAL STUDENT CAREER GROUP

Presentation Schedule

JAN 30
CPT/OPT Presentation
CPT: 4-4:30pm
OPT: 4:30-5pm
Career Center Classroom

FEB 6
Career Fair Prep
4-5pm
Career Center Classroom

FEB 27
Resume & Application Materials
4-5pm
Career Center Classroom

MAR 7
OPT/H-1B Presentation
OPT: 12:30-1pm
H1-B: 1-1:45pm
Laurel Hall Common Room

MAR 22
Keeping Momentum in your Job Search
4-5pm
Career Center Classroom

www.colostate.edu

Colorado State University

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CAREER CENTER | OFFICE OF INTERNATIONAL PROGRAMS | CAREER MANAGEMENT CENTER

CHECK RAMWEB FOR YOUR INDIVIDUAL REGISTRATION ACCESS DATE/TIME

Fall 2017 Registration Access Start Dates

April 3 - Graduate & Professional, Second Bachelor's Students
April 4 - Seniors
April 7 - Juniors
April 14 - Sophomores
April 21 - Freshmen

New Students: All new students will register for fall classes during Ram Orientation.

Advising appointments are typically booked 1-2 weeks in advance around registration. Please plan ahead:

- Update your four year plan and bring a list of classes you have in mind for the upcoming semester (or two!) to your appointment or walk-in.
- Book an appointment now for late-March or early-April. Plan to see an advisor at least two weeks before your registration date. (WRITE YOURSELF REMINDERS SO YOU DON'T MISS IT!!)

MARCH 20TH IS THE WITHDRAWAL DEADLINE

* **Last day to withdraw from a course ("W" on your transcript)**

* **Last day to submit a Repeat-Delete form**
* **We will have special walk-ins 9-11am and 1-3pm on Monday March 20th.**

Please come to walk-ins or make an advising appointment if you are considering withdrawing from a course.

BZ Courses Only Offered in Fall Terms

BZ212 Animal Biology—Invertebrates

BZ330 Mammalogy

BZ333 Introductory Mycology

BZ346 Population and Evolutionary Genetics

BZ348 Theory of Population & Evolutionary Ecology

BZ349 Tropical Ecology and Evolution

BZ462 Parasitology and Vector Biology

BZ548 Theory of Population & Evolutionary Ecology

BZ578 Genetics of Natural Populations

BZ Courses Only Offered in Fall Odd Terms

BZ471 Stream Biology and Ecology

BZ472 Stream Biology and Ecology Lab

BZ526 Evolutionary Ecology

Talk with an advisor about earning credit in the major for a course from the Wild Rockies Field Institute

Interested in summer classes?

Check out summer.colostate.edu for registration, full course offerings, and financial aid info!

Registration begins on Tuesday March 21st at noon!

Life Sciences

LIFE102 Attributes of Living Systems

LIFE103 Biology of Organisms

LIFE320 Ecology

BZ220 Introduction to Evolution

BZ223 Plant Identification

BZ300 Animal Behavior

BZ310 Cell Biology

BZ311 Developmental Biology

BZ350 Molecular & General Genetics

BZ479 Biology and Behavior of Dogs (online)

BMS300 Principles of Human Physiology

BMS301 Human Gross Anatomy

MIP300 General Microbiology

MIP342 Immunology

FSHN350 Human Nutrition

HES403 Physiology of Exercise

PSY454 Biological Psychology

PSY454 Biological Psychology Lab

VS331 Histology

VS333 Domestic Animal Anatomy (online)

Physical Sciences/Math

MATH117 College Algebra

MATH118 College Algebra II

MATH124 Logarithmic & Exponential Functions

MATH125 Numerical Trigonometry

MATH155 Calculus for Biological Scientists

STAT301/307 Intro to Statistics/Biostatistics

CHEM111/112 General Chemistry I and Lab

CHEM113/114 General Chemistry II and Lab

CHEM245/246 Fundamentals of O-Chem and Lab

CHEM341 Modern Organic Chemistry i

CHEM343/344 Modern Organic Chemistry II & Lab

BC351 Principles of Biochemistry

PH121 General Physics I

PH122 General Physics II

AUCC Courses—Various

BSURE 2017

Biological Summer Undergraduate Research Experience

Colorado State University

May 22nd – July 31st

Are you a bit of a biology nerd? Do you work in a life sciences-related research lab on campus? Are you interested in developing your research ideas? Are you planning on going to graduate school?

The Summer 2017 Undergraduate BSURE program will hone your skills as a researcher and prepare you to win at grad school. Spend an hour each week with graduate students, post-docs, professionals, and professors, and the BSURE Summer program will give you:

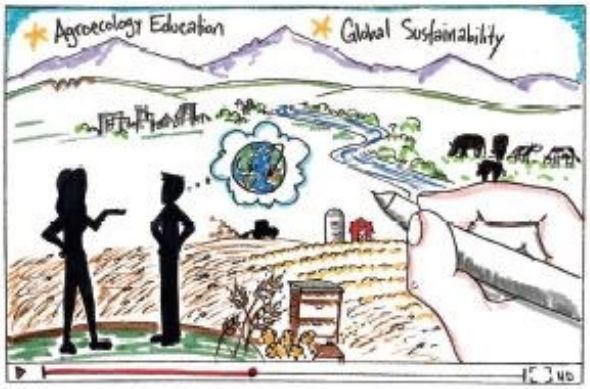
- An understanding of the mysterious inner workings of grad school
- Field trips to businesses and facilities using biology IRL
- Charm and poise when talking about your research
- Friends in high(er) places and professional development
- Enrichment of research ideas and goals
- FREE PIZZA

Send a one-page letter of interest and a one-page summary of your current research to Anne Howard at anne.howard@colostate.edu in PDF form by **March 15, 2017**. To be accepted to this program your PI must approve your enrollment in writing. This program is free of charge.

For more information visit https://csubsure.wordpress.com

Integrative Agroecology & Sustainability

Summer Undergraduate Research Fellowship



Applications Due 3/10/17

Apply online!

http://tinyurl.com/CSUFellowshipSU17

Spend Summer 2017 conducting research that addresses complex challenges in global food security and environmental change. Get paid to explore your scientific, and cultural interests as you work side by side with leading scientists at Colorado State University. Apply today!

Eligibility:

- Must be a United States Citizen
- Sophomore or Junior class standing
- Preferred Majors, but not required
  - Agricultural Sciences
  - Business
  - Environmental Sciences
  - Life Sciences
  - Natural sciences
  - Sustainability Sciences

Dates of Fellowship:

June 4th—July 28th 2017

Benefits:

- $4000 stipend
- CSU's Recreation Center access
- CSU Full Room & Board, available as double-occupancy
- Travel Support, available

Application Deadline:

Review process begins: 3/10/17

Decisions will be made: 4/1/17

Questions?

Contact us at (970) 491-2450

USDA United States Department of Agriculture | National Institute of Food and Agriculture | COLLEGE OF AGRICULTURAL SCIENCES COLORADO STATE UNIVERSITY | WARNER COLLEGE OF NATURAL RESOURCES COLORADO STATE UNIVERSITY

STUDENT MENTORING BY FACULTY

Attention Juniors and Seniors in the Biology Department!

As an upperclassman, you are now being assigned a faculty mentor!

- This is a unique opportunity to interact with faculty who are doing cutting-edge research in the fields of Biology, Zoology and Botany.

The Department of Biology gives you the opportunity to meet with a faculty mentor to discuss graduate school, obtain career advice, and receive guidance about which upper division or selected/additional field classes would be good fits for your interests. Your faculty mentor is listed in your RamWeb.

Want to make an appointment to meet with your mentor?

Email bio_ugradmentoring@lists.colostate.edu

Robert Noyce

- **$10,000** scholarship for STEM Majors
- Must be already enrolled OR planning to apply to Teacher Licensure Program.

"Knowledge is power.
Knowledge shared is
power multiplied."
-Robert Noyce

Science
Technology
Engineering
Mathematics

Give back to the community through teaching, gain valuable workplace experience, and earn a scholarship at the same time!

Online applications available at
http://cns.natsci.colostate.edu/noyce/
Applications due March 6, 2017

Scan to apply!

Application Requirements:

- CSU students seeking a bachelor degree in a STEM discipline.
- Candidates must agree to teach in high needs school district.
- GPA of 3.0 or higher will be most competitive

Contact:

Dee Dee Wright, Noyce Coordinator
Noyce_Info@mail.colostate.edu

College of Natural Sciences
College of ENGINEERING
College of Health & Human Sciences
Center for Educator Preparation
CSUSTEM
College of Natural Sciences Education & Outreach Center
NSF

Dolphin Behavior and Physiology in Honduras

This field program offers an 8-day research experience to Roatan, Honduras, where students will study animal behavior, animal physiology and conservation methods through the Roatan Institute for Marine Sciences. Classroom lectures and informal discussions provide the framework to develop an understanding of the subject matter. Fieldwork allows student to develop the skills necessary to conduct preliminary research.

Program At-a-Glance

WHEN: January 6-13, 2018

CREDITS: All committed students will be registered for BZ 482B: Dolphin Behavior & Physiology (2 credits) through CSU's Division of Continuing Education. All tuition and program charges will be billed at the start of the spring term.

COST: See Budget Sheet for details. The program fee includes tuition and fees for 2 credit hours, round-trip international group airfare, accommodation in shared hotel rooms at Anthony's Key Resort, local transportation, program excursions, 3 meals/day, international health insurance, and on-site support, orientation, and education abroad administration. Program fees do NOT INCLUDE: books and supplies, passport and fees, immunizations, or personal expenses.

SCHOLARSHIPS: Applicants for this program are eligible for scholarships through the Office of International Programs.

PROGRAM DIRECTOR: Dr. Shane Kanatous, Associate Professor, Biology Department in the College of Natural Sciences at Colorado State University.

ELIGIBILITY REQUIREMENTS: Minimum 2.5 GPA. Instructor Approval. Good disciplinary standing.

Academic Overview

The Dolphin Behavior & Physiology field course in Roatan, Honduras is designed to introduce students to the study of animal behavior and the behavioral assessment of physiology using a combination of lectures, readings, discussion, and hands-on research with a captive dolphin population. Lectures will focus on understanding animal behavior and physiology from an ecological and evolutionary perspective. Readings and discussion focus on current research and methodology. Fieldwork allows students to develop skills necessary to conduct behavioral assessment of physiology and animal behavior research; and to demonstrate these skills by participating in independent research with senior scientists at the field location(s). The field component for your Animal Behavior course is planned to be at the Roatan Institute for Marine Sciences (Roatan, Honduras).

Course Objectives
Students will be able to:

- Contrast the unique physiological adaptations of marine and terrestrial mammals
- Interpret an organism's form and function in relation to the physical properties of the marine environment
- Organize the diversity of marine mammals into their ecological roles
- Describe and discuss food webs from primary producers to apex predators
- Demonstrate the importance of marine mammals in maintaining marine ecosystems
- Critically and effectively debate and discuss the influence of human populations on marine mammals

- Recommend new avenues for the preservation and management of marine mammals
- Be able to discuss the evolutionary history of marine mammals

Location

Roatan is a small island located 27 miles north of the Honduras mainland. The program works in partnership with the Roatan Institute for Marine Sciences (RIMS) whose primary objective is the preservation of Roatan's natural resources through education and research. RIMS is ideally situated for marine study on the northwest coast of Roatan where over 30 miles of fringing and barrier reefs, seagrass beds, mangroves and shorelines are home to an astonishing profusion of life. RIMS is located at Anthony's Key Resort. Teeming with colorful marine life, the spectacular reefs around Roatan and near the resort are ideally suited for snorkellers.

Housing and Meals

Participants will be housed in shared rooms at Anthony's Key Resort. All meals are included!

Career Center Resources for Finding Summer Internships

The Career Center has drop-in Hours every day 10am-2pm

Research Experience of Undergraduates: https://people.rit.edu/gtfsbi/Symp/summer.htm
Animal Internships - http://www.greenpeople.org/sanctuary.htm
http://www.humanesociety.org/about/employment/internships/internships_hsus.html?credit=web_id86441259 (more animals)
Summer Camps: http://www.coolworks.com/
National Science Foundation: https://www.nsf.gov/crssprgm/reu/reu_search.jsp
Biology and Biochemistry - https://biology.duke.edu/undergraduate/current-students/research-independent-study/summer-opportunities

Steps to take Field Marine Biology in Todos Santos, Mexico

Start planning now!!

LIFE320 Ecology (required for all Bio/Zoo majors, offered every term)

BZ415 Marine Biology (Spring odd years)

Field Techniques course (second half of spring semester)

BZ482 Field Marine Biology