



BIOLOGY

COLORADO STATE UNIVERSITY

Fall 2018 Important Dates

August

20 - Classes begin

24 - Early drop deadline

Check RamWeb for your course drop dates

26 - Add without override deadline

September

3 - University closed

5 - Registration closes

October

15 - Course withdraw deadline, repeat/delete submission deadline

November

6 - Election day

19-23 - Fall break; University closed

26 - Classes resume

December

10-14 - Final exams

14-15 - Commencement ceremonies

19 - Fall grades available on RamWeb

24-26 - Winter break; University Closed

WELCOME BACK STUDENTS



Reach for success
this school year!



Fall Semester Drop-in Hours

August 20-24: 9-11am and 1-3pm

August 27 through finals week:

Monday through Thursday, 1-3pm

IN THIS MONTH'S NEWSLETTER:

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Marine Biology from CSU to Antarctica and Back

Imagine sneaking across the ice behind a 1200 pound leopard seal and having to get close enough to sedate it with a jab stick...that was one of the most exciting (and frightening) moments reported by Dr. Shane Kanatous on his most recent trip to Antarctica. Kanatous studies the physiology of leopard seals and how they adapt to a changing climate; that research has taken him to Antarctica, a place few on this earth have set foot, several times. Most recently, Kanatous spent 28 days on Livingston Island (part of the South Shetland Island chain) with a group of researchers during last April and May. This is late fall to early winter in Antarctica so this timeline put them on the island two months later in the season than researchers have ever been there. "Research has the perspective of what you're looking at," Kanatous said, and being there later allowed for more variety in seal populations and how the team was able to approach the research.



The research team, Kanatous second from the right

Antarctica is more than just an ice sheet - it is alive with wildlife interactions, even with winter approaching. Kanatous said some of the wildlife interactions they were witness to were things humans had never observed. Leopard seals prey on penguins and fur seals that live on the island. Something the research team witnessed was the leopard seals beginning to establish hunting territories and the prey then learning to avoid those territories. The team also discovered sub populations that were colonizing to land; evidence that leopard seals are already adapting to a changing climate.



Leopard seal jaw



Chinstrap penguin

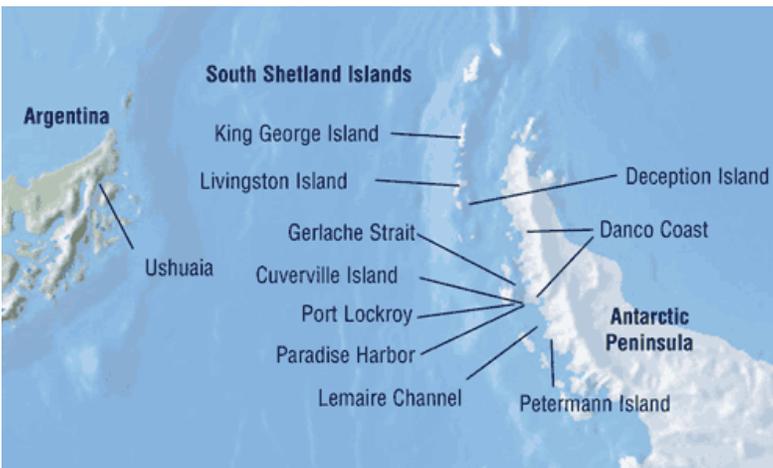
Marine Biology from CSU to Antarctica and Back, continued

A whole new spin on travel...

Travelling to Antarctica is no easy feat. Kanatous described a grueling itinerary of flights from Colorado to Dallas to Chile and, from there, a 4 day journey across the Drake Passage on a research vessel to Livingston Island. Kanatous reported ocean swells of only about 10-15 feet when they crossed, so it was a calm crossing as swells along the passage can often be as high as 100 feet. Once the research vessel arrived in harbor, the team then had to make 6-8 trips on a zodiac boat in order to get all their supplies to the research station.



The research team on the zodiac



Visual of the South Shetland Islands and Drake Passage

Now what?

The samples Kanatous was able to collect took tremendous effort to be brought back to the United States. From moving samples stored in liquid nitrogen across a choppy sea in a zodiac, to tracking shipment on cargo vessels and commercial flights, and the paperwork necessary to get through customs in various countries, the samples are now back in Kanatous' lab and there is much work to be done.

One aspect of what comes next is culturing muscle biopsies to generate leopard seal muscle in the lab; this has never been done. In doing this, Kanatous will be able to access different aspects of their physiology such as metabolism, preferred fuels, and how the muscle actually works. "Establishing how the animal works and with all the tracking and tagging information, we'll create an energy budget for the seals; how well and how far they travel, what the animal does in its environment, and restrictions that may occur due to climate change," Kanatous said in describing his next steps.

If you are interested in opportunities to get involved in the Kanatous lab, Kanatous said there are always opportunities for the right students who are interested in this kind of work.

For more on Kanatous' experience and research, see the article published in Source prior to his travel to Antarctica:

<http://www.biology.colostate.edu/biology-professor-will-study-leopard-seals-in-antarctica-with-nsf-grant/>

Graduation Planning Sessions for First Year Students

***If you are a first year student this semester, you are required to attend a one-time graduation planning session.** This is a great opportunity to learn your degree requirements, learn how to build a graduation plan, and solidify your schedule for spring 2019!

****If you are enrolled in BZ 192 this fall, the first year seminar, you are not required to attend a graduation planning session!**

Session Dates

8/22 @ 2pm
 8/24 @ 10am
 8/24 @ 2pm
 8/27 @ 12pm
 8/27 @ 2pm
 8/28 @ 9am
 8/29 @ 3pm
 8/31 @ 9am
 8/31 @ 11am
 9/4 @ 3:30pm
 9/5 @ 12pm
 9/7 @ 10am
 9/7 @ 2pm
 9/10 @ 2pm
 9/11 @ 9am

Location

Biology 133
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SIGN UP TODAY AT www.SignUpGenius.com/go/30E094AA5AF2EA1FDo-curriculum1

Common registration error messages and what they mean:

If you run into an error be sure to read it! You can often solve registration errors on your own without having to email an advisor and wait for a response.

Error message	What it means	When you might get it	What to do
<i>Class level</i>	Only students in a certain class level (fr/so or jr/sr) can register for a given course.	Few (if any) Biology courses have this restriction but other departments' courses (e.g., Psychology) may have it.	If you NEED the course, contact the home department for access.
<i>Multiple Components Required</i>	In addition to the lecture, you have to register for another component (lab or recitation) at the same time.	Many biology, chemistry, and physics courses are commonly associated with this error.	Check boxes for each component PRIOR to hitting "submit." Click 'view linked' to see specifically which sections of lab/recitation that must be selected.
<i>Major Restriction</i>	You do not have the right major for a class.	Some classes are restricted just to students in that major (Business/Art are examples); may allow non-majors to register after a certain date.	Click on the course title for details about major restriction—if the class opens to non-majors at a certain date, it will tell you that info here.
<i>Prerequisite</i>	You fail to meet at least one prerequisite for the class.	Click on the course title for details about the class description - prerequisites will be listed here.	You'll need to take the prerequisite courses prior to registering for the course in question. If you think this is an error, contact your advisor.
<i>Dept. or Instructor approval</i>	Registration for a certain class is limited and only approved on a case-by-case basis.	An example is BZ505 Cognitive Ecology - it requires permission from the instructor for undergrads to enroll.	If you seek access to a class requiring dept./instructor approval, contact the instructor listed or the department.
<i>Stop enrollment</i>	A department has stopped enrollment so that no one can register for the class until a problem is resolved.	Hard to say - stop enrollments can happen in any department due to unforeseen changes.	Try registering for a different section of the same class, or contact the department to find out more information.

Zoology Club Meetings

August 27
September 10
September 24
October 8
October 22
November 5
November 26

*All meetings are 6-7:30pm in
Biology, room 136*

Biology Club Meetings

August 29
September 12
September 26
October 10
October 24
November 7
November 28

*All meetings are 6-7pm in Natural
Resources, room 112*

CAREER CENTER EVENT HIGHLIGHTS

Suit Up Event-September 9

Are you in need of work apparel in order to be ready for an upcoming career fair, interview, or job/internship? Then don't miss this amazing opportunity to get deep discounts for a one-night only event at JCPenney.

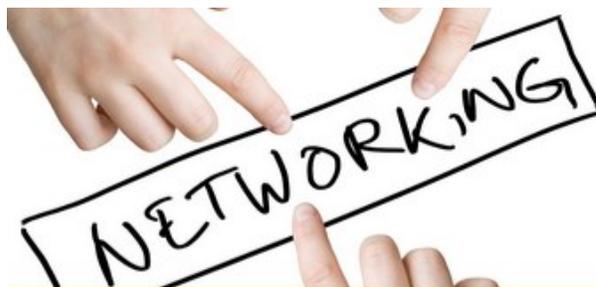
JCPenney in partnership with the Career Center will be hosting a CSU ONLY event for students and their families to come shop and save an extra 40% off select career apparel, shoes, undergarments, and accessories. This is an extra 40% off of any current sale or clearance prices, which will result in huge discounts!

For those who need it, transportation will be provided to the Fort Collins JCPenney starting at 6pm.. Also, be on the lookout for various ways to earn some "JCPenney Cash" to spend at this event. You must have your CSU ID!

Career Fair-September 18 and 19

Students can meet with over 100 different employers each day and learn about job opportunities, internships and network. Employers can engage with students and speak about career trends, potential employment opportunities and brand their organizations.

Open to all majors. Located in the Lory Student Center, 10am-3pm.



Networking



Dress for Success

Searching for a job or an internship can seem overwhelming. The Career Center is here to help you by assisting you with your preparation, search tips and more. Attending the career fair, even if you're not quite ready to start applying for jobs, is a great place to start! This is going to help you start building your network. When people within your network know you are job searching, you have a far greater chance of hearing about new job openings and securing employment.

Pre-Vet Mandatory Information Sessions

Sign up for **ONE** session: <http://hp.colostate.edu/prevetsessions>

Registration opens on August 1st, 2018

Monday, August 20th (LSC 304)

2:00—2:45 pm

3:00—3:45 pm

Tuesday, August 21st (LSC 304)

9:00—9:45 am

10:00—10:45 am

Wednesday, August 22nd (LSC 308)

Noon—12:45 pm

1:00—1:45 pm

2:00—2:45 pm

3:00—3:45 pm

Thursday, August 23rd (LSC 312)

11:00—11:45 am

Noon—12:45 pm

2:00—2:45 pm

3:00—3:45 pm



**Are you pursuing a health profession?
Sign up for an information session to meet your pre-health advisors!**

Human Health Professions Mandatory Information Sessions

Sign up for **ONE** session: <http://hp.colostate.edu/prehealthsessions>

Registration opens on August 1st, 2018

Monday, August 20th (LSC 308)

9:00—9:45 am

10:00—10:45 am

1:00—1:45 pm

2:00—2:45 pm

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3:00—3:45 pm

Thursday, August 23rd (LSC 304)

11:00—11:45 am

Noon—12:45 pm

1:00—1:45 pm

2:00—2:45 pm

3:00—3:45 pm

4:00—4:45 pm



Health Profession Advisors

Lilly Dethier: Lilly.Dethier@colostate.edu

Ann Bowen: Ann.Bowen@colostate.edu

Shelle McLean: Shelle.McLean@colostate.edu

Kayla Tejada: Kayla.Montanez@colostate.edu

Collaborative for Student Achievement

Stadium East (on-campus Stadium)

(970) 491-7095



ALPHA SIGMA KAPPA

WOMEN IN TECHNICAL STUDIES

Fall 2018 Recruitment

Chapter Meeting

Sept. 10 ● 7-8 pm ● Clark C 142

Are You Smarter than a Fifth Grader?

Sept. 11 ● 5-6pm ● TBD

Scholarship and Coffee Break

Sept. 14 ● 4-6pm (Stop by Anytime!) ● LSC 386

Chapter Meeting

Sept. 17 ● 7-8 pm ● Clark C 142

Game Night

Sept. 18 ● 5-6 pm ● TBD

Philanthropy Fundraiser @ Raising Canes

Date and Time TBD ● Raising Canes

Chapter Meeting

Sept. 24 ● 7-8 pm ● Clark C 142

Night at the Rec

Sept. 25 ● 6-7pm ● CSU Rec Studio 2

Picnic and Eco Day

Sept. 28 ● 3-4 pm ● CSU Oval

Alpha Sigma Kappa - Women in Technical Studies is a social sorority for women pursuing technical majors. We are a sorority of women who love to be surrounded by our peers in STEM fields. We accept women in engineering, architecture, mathematics, and the sciences. We strive to hold each sister up in their respective fields, giving them opportunities and supporting them professionally, academically, as well as personally. As a sorority, we offer women the opportunity to develop leadership skills, friendships, a sense of belonging, and a network of support.

For More Information:

Recruit.asktheta@gmail.com

AlphaSigmaKappaTheta.com

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