



#### **Fall 2014 Important Dates**

#### **October**

- **6** Spring class schedule available on RAMweb
- **8–** Registration Ready turned on—you can now complete it
- 20- End of course withdrawal period. Last day to exercise repeat/delete option
- **28 -** Spring 2014 registration begins. Check RAMweb for your designated time

Remember: Registration times are assigned by the number of credits you have completed.

**28**—Seniors spring registration begins

**31**– Junior spring registration begins

#### **November**

- **7** Sophomore spring registration begins
- **14-**Freshman spring registration begins
- **24-28-** Fall recess begins; no classes this week
- **27-28** Thanksgiving Holiday; University closed

#### December

- **12-** last day to process a University Withdrawal
- **15-19** Final Exams
- **19-20** Commencement Ceremonies
- **24-26-** Winter holiday; University Closed

#### I spent my summer...

With sea turtles in Hawaii!
At the Denver Zoo!
Working at a hospital in Nepal!
At The Alaska Zoo!
Working with the Rocky
Mountain Raptor Center
At Rocky Mountain Innosphere!
In Cambodia with Elephants!
At the Dry Creek State

Wildlife Area!



Students share their summer internship experiences, and how they earned such cool opportunities! Pages 4-7

### There's something for everyone in the Newsletter!

On Academic Probation?... Page 2

Struggling with Math?... Page 2

Need help with your classes?... Page 3

Summer Internship and Volunteer Interviews...Pages 4-7

Zoology/Biology Clubs... Page 8

Career Connections... Page 10

Like to laugh at science jokes?... Page 11

Seriously, everyone likes science jokes... Page 11



daily updates about advising, policy changes, registration and more!

Like us on Facebook: <a href="https://www.facebook.com/pages/Colorado-State-Biology-Academic-Support-Center/291242517619899">https://www.facebook.com/pages/Colorado-State-Biology-Academic-Support-Center/291242517619899</a>
Follow us on Twitter: <a href="https://www.facebook.com/pages/Colorado-State-Biology-Academic-Support-Center/291242517619899">https://www.facebook.com/pages/Colorado-State-Biology-Academic-Support-Center/291242517619899</a>
Follow us on Twitter: <a href="https://www.facebook.com/pages/colorado-State-Biology-Academic-Support-Center/291242517619899">https://www.facebook.com/pages/Colorado-State-Biology-Academic-Support-Center/291242517619899</a>
Follow us on Twitter: <a href="https://www.facebook.com/pages/colorado-State-Biology-Academic-Support-Center/291242517619899">https://www.facebook.com/pages/colorado-State-Biology-Academic-Support-Center/291242517619899</a>



#### ATTENTION STUDENTS ON ACADEMIC PROBATION:

If you are on academic probation, you will need to get your advising code from an Academic Support Coordinator before you can register!

**Probation I:** You are required to watch the Probation Video, complete the Self-Assessment, and make an appointment with an advisor for mid/late October (before your registration date). Here is the link to the video: <a href="http://www.youtube.com/watch?v=opocBPKBezY">http://www.youtube.com/watch?v=opocBPKBezY</a> **Probation II:** Two appointments are required - one at the beginning of the semester, and one mid/late October (before your registration date).

Our goal is to meet with every probation student to discuss your status, give you your advising code, plan for spring semester, and offer additional help/support for getting off of Academic Probation. <u>Plan ahead - make your appointment now!</u> We fill up quickly, and you will not be able to register without your advising code. Codes will <u>not</u> be given out during walk-in appointments, or over email - a full appointment must be made.

To make an appointment with an ASC, please visit:

http://www.biology.colostate.edu/undergraduates/schedule-an-appointment/





There's still time!



**Group ELM Exam Mastery** 

Prepare for and pass the ELM this fall!

Questions? email: Lisa Dysleski lisa.dysleski@colostate.edu

Ready to register? https://cns.natsci.colostate.edu/students/GE2M/

Are you struggling or avoiding math?

It's time to face it, and we're here to support you!

If you have not placed into MATH117 on the MPE, or taken and passed both the ELM Tutorial, and the ELM Exam, then GE2M is perfect for you!

# FIVE TIPS FOR GOOD STUDY HABITS

## 1. TIME MANAGEMENT

Buy a planner, calendar, use the calendar on your computer or phone, or just get a notebook and pencil in the dates. Keeping track of your time will keep you from running out of it.

## 2. ATTEND CLASS

This may sound like a no-brainer, but there will be the occasional class that you feel like skipping (sometimes regularly). But you might miss some pretty important stuff. If you have to miss class, make sure to get that day's notes.

## 3. KEEP UP

Combine your newly acquired time management skills and awesome class attendance, and keep up with assignments and subject matter. You will thank yourself when finals roll around.

#### 4. TALK TO INSTRUCTORS

You've scheduled out your days, you go to class, you do the assignments ... but you still feel like you're not doing well in class. Talk to you instructor and see how you really are doing, and what you can do to turn it around if you're having problems. Even if you think you're doing great, it doesn't hurt to check.



# Most importal Make sure your time in it a

Most importantly of all: life happens.

Make sure your schedule has some free
time in it and have some fun!

ound on rctc.edu

#### Let's Check In!

You've already had your first exams how did they go?

Would you like extra help?

Are you a bit surprised by how different college is from high school?

There are great resources available to support you!

TILT—The Institute for Learning and Teaching

Arts and Sciences Tutoring:

http://tilt.colostate.edu/learning/tutoring/artSciences.cfm

#### Study Group Schedule:

http://tilt.colostate.edu/learning/tutoring/studyGroups.cfm

Academic Skills Workshop Schedule:

http://tilt.colostate.edu/learning/skills/ workshops.cfm

# Have you met with your professor yet?

Professors and TAs are great resources, and no one knows the class material better than them! Go to office hours prepared with specific questions to ask.

# Summer Internships and Volunteer Work!!



Gus Waneka with a birthing turtle working with the Hawai'I Island Hawksbill Turtle Recovery Project

#### What were your job duties?

My main job duty was camping on the beach and staying up for most of the night to watch for nesting Hawksbill mamas. Most of the beaches we monitored were pretty remote so we would either backpack in or take long, private, four wheel drive roads. If a nesting mama came up we would take some measurements and mark the nest location.

#### What did you enjoy the most about the internship?

The coolest part of the Internship was just living in Hawaii for the summer. As a Colorado kid I have never experienced all the craziness of the ocean and a tropical environment. I did all kinds of swimming, snorkeling, turtle-ing, volcano watching and coconut eating. It was sweet!

#### How do you think this internship experience will prepare you for your career?

I feel like its probably a good idea to experience a lot of different job scenarios before you go pursue one as a career. This internship showed me how much I enjoyed working on a project that protects endangered species.

#### Do you have any tips for students applying for internships?

Just be stoked in your interviews and do a little research before so you sound like you know what your talking about.

#### Luke Beckett at Ventria Bioscience working as a Research Associate (back row, center)

#### What were your job duties?

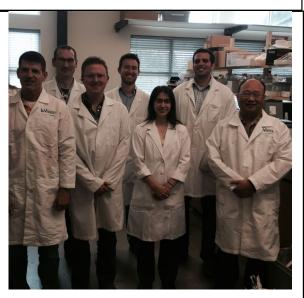
Ventria Bioscience's scientific platform uses transgenic rice to express pharmaceutical proteins of interest. My primary job duty was qualitative and quantitative screening of phase 1 and 2 clinical trial pharmaceutical proteins. The screening method utilized multiple bioassays such as Western/Southern/Dot blot, chemiluminescent/colorimetric immunoassays, Polymerase Chain Reaction, and SDS-PAGE.

#### What did you enjoy most about the internship?

For the first time in my life, I felt as if my work was contributing to the benefit of mankind. The pharmaceuticals being developed at Ventria Bioscience have the potential to save thousands of lives.

#### What have you learned from your internship?

I have learned how incredible it is to actually work in the bioscience industry. The potential of the industry to grow and change the world is astounding. To students in biological sciences or a similar major, DO NOT GIVE UP! There are so many opportunities in Colorado alone for you to contribute your knowledge to. Get up, get networking, and go change the world!



# Do you have any tips for students applying for internships?

Network, network, network. Career fairs, clubs and events are the BEST PLACES to meet individuals that will network you to internships. However, never expect a direct link to an internship at a career fair or event; bioscience companies want students that reach out and find THEM through networking.

# More Summer Internships and Volunteer Work!!

#### Kaitlyn Adkins at the Rocky Mountain Raptor Program

#### What were your job duties?

As the outreach intern, I attended almost all of Rocky Mountain Raptor Program's exhibits over the summer. Rocky Mountain Raptor Program is a non-profit program so almost all of our income is from donations. We go to local exhibits, events, and fairs in order to raise money to save injured raptors and to educate the public about these magnificent birds. I would work with merchandise, talk with onlookers, and even sit with our educational ambassador raptors to tell their histories to the public. Besides going to these events, a lot of my time was spent preparing and organizing for them. I did a lot of paperwork to stay up to date on our 100+ volunteers and created visual presentations to accompany our events.

#### Do you have any tips for students applying for internships?

When you apply for internships, it's always great to be able to make a connection during your interview. I shared a lot of similar views with Rocky Mountain Raptor Program's mission in respect to treatment of wild animals and the importance of educating the public. I definitely think that was a major reason as to why I got this position. Another piece of advice is to expand your horizons when looking for an internship.



I want to have a career working with endangered species so I knew I wanted an internship with wildlife. However, when I saw that this internship was more administrative, I was curious as to what I could learn from that perspective. Had I just been a volunteer with Rocky Mountain Raptor Program, I still would've had a fulfilling summer handling raptors but I wouldn't have learned as much as I did working with the administration.

## Sara Morson working at the Alka Hospital in Kathmandu, Nepal



#### What were your job duties?

Shadowing various doctors and surgeons in multiple specialties. I was able to help move patients, take vitals, learn to analyze blood and urine tests and radio-graphs (x-rays). By the end of my fourth week, I was able to walk through full diagnoses with patients of all ages.

#### What did you enjoy most about the internship?

Besides literally being "at the table" in the OR twice a day, meeting other people from all over the world involved in this organization either doing the medical internship, or other placements such as in a school teaching English, the orphanage, physical therapy, and various other programs.

#### Do you have any tips for students applying for internships?

Find an internship abroad. You are able to experience a multitude of things that you would never be able to do in the United States.



# How do you think this internship experience will prepare you for your career?

If I do go into the medical field, I will have advanced knowledge in various situations that most people will never have.

# Kelly Walker working at the Alaska Zoo



#### What were your job duties?

My job duties mostly involved general husbandry, where I would follow and assist my assigned zookeeper with cleaning, feeding, and otherwise caring for the animals at the zoo. Interns also had the opportunity to lead tours around the zoo, attend the petting zoo, and train one of the zoo animals. Preparing and administering enrichment was also a large part of the internship. Enriching the animals was definitely one of the most fun parts of the job, although this internship is full of close interactions with the animals, which was amazing. The bond I formed with the animal that I trained, our adult moose, was especially rewarding. The Alaska Zoo is also a transfer station for many orphaned and injured wildlife from Alaska that are on their way to other zoos, so many baby animals pass through that need close, hands-on care, (very exciting!).

# How do you think this internship experience will prepare you for your career?

This internship was a fantastic experience that greatly shaped my outlook on my career, while also providing invaluable and unique

experience. Seeing how this small zoo actually work from the inside out helped me to better understand zoos as an industry, an educational tool, and an integral part of conservation work. I hadn't fully realized my passion for exotic animal care until I experienced it first-hand."



#### What were your job duties?

I assisted a grad student from CSU set-up her research plots for a study on super-absorbent polymers in restoration and climate change. I worked with 2-15 other people to trench around 52 plots and install flashing, build 15 rain-exclusion shelters, and install 20 soil moisture probes.

#### What did you enjoy most about the internship?

I really enjoyed the variety of work and learning how to set up ecological research plots.

**Do you have any tips for students applying for internships?** Apply to several internships and don't give up if you don't hear from any for a while. I had to wait until late May to get an interview for a position I applied for a month prior.

# How do you think this internship experience will prepare you for your career?

I am hoping to obtain a career modeling and researching infectious diseases. My internship experience exposed me to the logistics of setting up research projects; they always take longer than you plan. Working with a team of people from different jobs and backgrounds prepared me for my career because working with infectious disease requires cooperation across departments and countries.

Karen Holcomb working as a Volunteer Field Assistant with CSU and CO Parks and Wildlife at Dry Creek State Wildlife Area



#### What have you learned from your internship?

During my internship, I learned practical skills like handling of machinery and carpentry. I also learned about disease and ecological-related careers through CO Parks and Wildlife that interest me and I wasn't aware.

#### What were your job duties?

For one week of the trip, I volunteered in a local village where I was placed into a family. For the entire week, I worked with that same family assisting in various duties, such as gardening or teaching English. I also helped build a vocational center for the village with my fellow volunteers. For the other two weeks out of my trip, I worked on an elephant sanctuary, where I planted food, built a water cache for a near-by school, and fed and rehabilitated two wonderful elephants, Kamlin and Arun Ria.

What have you learned from your volunteer work?

My volunteer work gave me a new perspective on the world. I grew up learning in school what life is like in a developing country, but I don't think I ever knew what that really meant until I saw it first hand. It is very eye-opening to see how little people survive on every day and then compare it to what we are spoiled with in the US. If my work taught me anything, it is to get out into the world and do more volunteering. I hope one day I can return to Cambodia to visit the amazing friends I made in the local communities and to do more to improve their everyday life. If anyone deserves a better life than what they have, it would definitely be the Khmer people of Cambodia.

#### Erin Toteve working with Reach Out Volunteers in Siem Reap, Cambodia



**Do you have any tips for students? I** would just say to be honest with yourself. Choose to do something because you absolutely love it, not because it is going to look good on a job application or resume. Especially working in a third world country, this kind of volunteer work needs people that are passionate about the help they are giving.

# Elise Koszarek working as a Feline Intern at the Denver Zoo



#### What have you learned from your internship?

I've learned that a lot of hard work goes into caring for these animals. Zookeepers work long hours with very few holidays and follow strict procedures when working with many of these dangerous animals, yet after working on the feline team all summer, it was clear they truly loved what they were doing. Being able to see the bonds formed between the animals and their keepers was very rewarding, and I hope to one day create similar relationships in the field.

#### What were your job duties?

As an intern, I did do a lot of cleaning and diet preparation, but I also got the opportunity to watch and assist with carnivore training sessions and shifting, create and distribute enrichment for the animals, and created my own scientific behavioral project with the maned wolves.

#### What did you enjoy most about the internship?

Hands down the animals. We cared for around 40 animals comprising over 10 different species, from tigers, leopards, wolves, hyenas, mongooses, foxes, pandas, etc. Getting to work with so many different animals and unique personalities was the most rewarding part. We also had a couple of animal babies born while I was there which is always fun and rewarding.

**Do you have any tips for students applying for internships?** Apply for anything and don't limit yourself. I knew

the chances of getting this internship would be very slim and I did not think I had enough experience to land a position with carnivores, but I applied for it anyways and would do it again in a heartbeat.



### Free Practice Entrance Exams!

Kaplan is holding FREE Practice Tests for the **GRE**, **MCAT**, **LSAT** 

Saturday, Oct. 11th 10:00 am in Clark

To Register, Click Here

Each test is completely free. It will be proctored by an expert of each of the respective test and students will receive scores the same day.

## Walk-Ins!

Do you have a quick, 5-10 minute question? Come to Walk-Ins!
Wednesdays and Thursdays
9:00-11:00 and 1:00-3:00.
They are first-come, first-serve.

We will also be holding Walk-Ins on Monday, October 20th 9:00-11:00 and 1:00-3:00. October 20th is the last day to withdraw from a class.

# **Zoology Club!**

Next meeting: Tuesday, October 14th at 7:00 pm in A/Z W205.

The next field trip is October 11th to the Denver Zoo!

You can also sign up by emailing the Zoology Club: csuzoologyclub@gmail.com



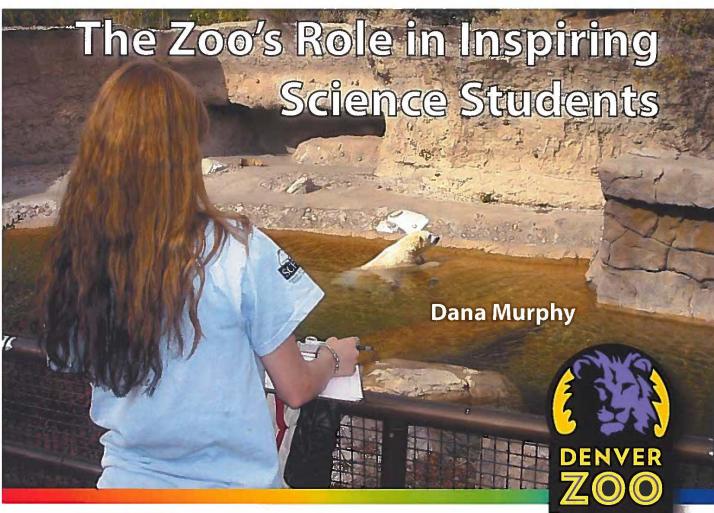
# **Biology Club!**

Next meeting: Monday, October 6th at 5:30 pm in Yates 206.

You can also sign up by emailing the Biology Club: csubiologyclub2014@gmail.com















College of Natural Sciences
Education & Outreach Center

Zoos have always been a favorite destination for elementary school field trips. However, given the tremendous collection of animals and educational expertise of the staff, it seems like middle and high school teachers are missing out on opportunities to inspire students to become scientists. Ms. Dana Murphy, Vice President of Education and Volunteer Services of Denver Zoo will share her perspective on how schools and zoos can partner to support STEM education.

You are invited to the College of Natural Sciences Education & Outreach Center's Fall Keynote\*!

(\*In collaboration with the CSU Chapter of Sigma Xi)

#### When:

Tuesday, October 14, 2014 EOC Open House and Catered Reception 3:15 - 4:15 p.m. Keynote Presentation 4:15 - 5:15 p.m.

#### Where:

CNS Education & Outreach Center Third floor of the Natural & Environmental Sciences Building 1231 East Drive, Main Campus

Please RSVP to andrew.warnock@colostate.edu to reserve your seat today!
Please help us spread the word!



www.cns-eoc.colostate.edu/events.html

# Colorado State University

#### CAREER CONNECTIONS

<u>Need help planning your future</u>? Judy Brobst, the Career Center Liaison for the College of Natural Sciences, can assist you with all aspects of your career development! Services offered: Internships & volunteer experiences, resume development, choosing/changing majors, graduate school, on-line assessments, job search skills, etc. To set up an appointment contact 970-491-5707.



Career Center returns to the Lory Student Center, Lower Level (now the 1st floor) beginning September 29.

Drop in hours Monday, Wednesday, Thursday and Friday 9:30 am - 3:30 pm and Tuesday 12:30 - 3:30 pm - no appointments necessary

October is Filled with events!! Details for all events can be found on the Career Center homepage <a href="http://www.career.colostate.edu/Default.aspx">http://www.career.colostate.edu/Default.aspx</a>

#### **Turtle Island Restoration Network**

Internships in the areas of Sea Turtle Conservation Advocacy, Habitat Restoration, Salmonid Monitoring and Native Plan Nursery.

https://seaturtles.org/about/careers-internships/



#### **Discover What Drives You**

Wednesday, October 29, 2014, 1 – 3pm

Join a 5-week discussion group and learn more about: What does the world need you to do? What are you good at? What brings you joy?

Space is limited; RSVP required. Call the Career Center to register for this event 970-491-5707

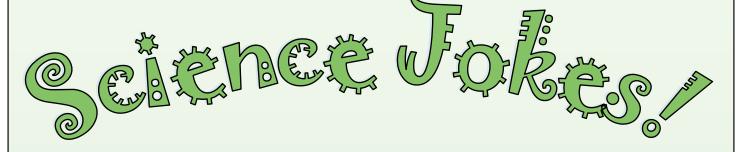


#### CPT/OPT

#### **Presentation by Office of International Programs**

Thursday, October 2, 2014, 3 – 4:30pm Laurel Hall Common Room

The Office of International Programs will provide an introduction to Curricular Practical Training (CPT) and Optional Practical Training (OPT).



## Winning due to a technicality

Einstein, Newton, and Pascal are hanging out one afternoon.

Einstein is bored, so he suggests, "Let's play hide-and-seek. I'll be it!"

The others agree, so Einstein begins counting. "One... Two... Three..."

Pascal runs off right away to find a place to hide.

But Newton merely takes out a piece of chalk and draws a mid-sized square.

He finishes and steps into the square just as Einstein shouts, "Ready or not -- here I come!"

Einstein looks up and immediately spots Newton standing right in front of him.

He says, "I found you, Newton!"

Newton replies, "No, you found one Newton per square meter -- You found Pascal!"



Ahh, the first day teaching Natural Selection is always the best day.

