



**Spring 2016  
Important Dates**

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**April**

- 5-** Senior registration begins
- 8-** Junior registration begins
- 15-** Sophomore registration begins
- 22-** Freshman registration begins

*Remember:*

*Registration times are assigned by the number of credits you have completed. Check Ramweb for your specific date and time.*

**May**

- 6-** Last day of spring classes.
- 6-** Last day to request a University Withdrawal
- 9-13-** Final Exams
- 13-15-** Commencement Ceremonies
- 30-** University closed

**HAPPY SPRING FROM THE BIOLOGY DEPARTMENT!**

In this newsletter:

Pg. 2: Preparing for fall registration and finals

Pg. 3: Walk-in advising hours in CNS Learning Community

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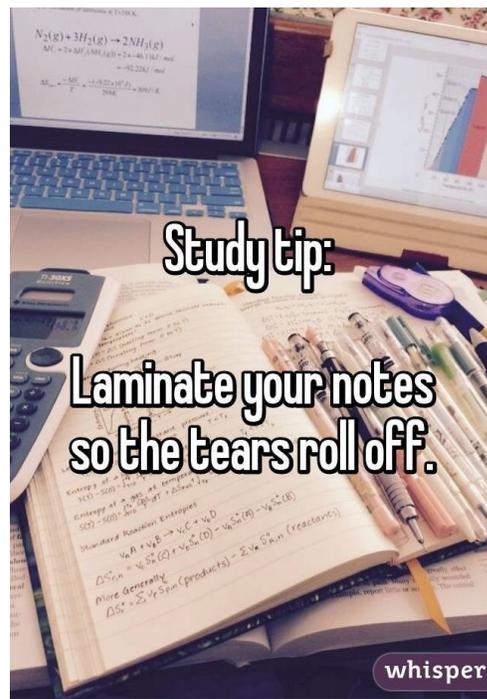
Pg. 4-5: New fall courses

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There are only 5 weeks of class remaining before finals week! It's time to start gathering materials and preparing study guides for finals. Visit your professors' office hours if you're uncertain of how to prepare for your final exam. Statistically, students who space their studying over the course of several weeks not only perform better on exams, but they retain the information longer (meaning you'll likely do better in next semester's courses since you'll be able to recall pre-requisite knowledge).



## ARE YOU READY TO REGISTER FOR FALL CLASSES?

There are multiple ways to connect with an Academic Success Coordinator if you need to discuss your fall schedule.

- **Schedule an appointment at [www.biology.colostate.edu](http://www.biology.colostate.edu)**

- **Come to walk-ins:**

**Tuesdays from 12:30-3:00**

**Wednesdays from 11:00-1:30 or**

**Thursdays from 1:30-4:00**

- **Send an email to your advisor**

While we are here to offer our guidance, support, and advice, it is important that you come to your appointment prepared. Choose the courses you want to take this fall and/or summer and use the catalog ([catalog.colostate.edu](http://catalog.colostate.edu)) to look them up and make sure they're offered.

Also, remember to check RamWeb for your registration date. This is easily found under "Registration" and "Registration Access Date/Time."

There is also a "Registration FAQ" that is helpful if you run into questions or problems as you register. You won't need an advising code to register unless you're on Probation or are a new transfer student who has not yet met with an ASC.

## Do you live in the College of Natural Sciences Learning Community?

***In April, advisors will be available in Pinon Hall to answer questions and help you prepare for fall registration!***



An advisor will be available:

Wednesday, April 13 2:00-4:00pm

Wednesday, April 20 2:00-4:00pm

Wednesday, April 27 2:00-4:00pm

All majors welcome!

### Mental Health Tip

In these last six weeks of school, spend some time outside on sunny days for an extra boost. Your body makes vitamin D after sun exposure, and research suggests a link between enough vitamin D and good mental health. Just 15 minutes under the sun a couple times a week makes enough vitamin D for most people.

And vitamin D can be stored for several months in the body!



### Are you 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!*

You are required to make an advising appointment with an Academic Success Coordinator. If you are on Probation 1 and attended the mandatory Academic Skills workshop, you should have your advising code and you're ready to register!

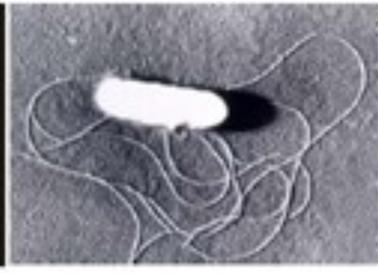
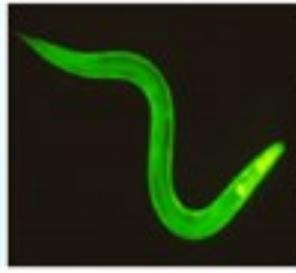
We meet with every probation student to discuss academic status, give you your advising code, plan for the fall semester, and offer additional help/support for getting back into good academic standing.

Plan ahead and schedule your appointment or make a plan to attend walk-ins! You will not be able to register without your advising code. Codes will not be given out over email.

*To make an appointment with an ASC, please visit:*

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

# New Class: fall 2016



## BZ476 / BZ576 Genetics of Model Organisms

9:00-9:50 am MWF

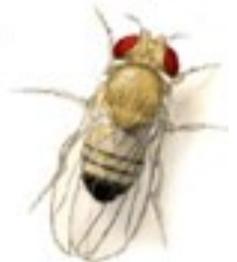
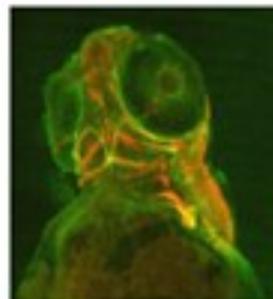
Dr. Bedinger [bedinger@colostate.edu](mailto:bedinger@colostate.edu)

Dr. Garrity [deborah.garrity@colostate.edu](mailto:deborah.garrity@colostate.edu)

This course will demonstrate a range of biological problems that can be addressed using model organisms and classical and molecular genetics. BZ476 (3 credits, lecture only) is designed for undergraduates interested in advanced studies in genetics following a basic genetics course. BZ576 (4 credits including lecture and recitation) is for beginning graduate students wishing to pursue expertise in genetics. Gene systems in model organisms including bacteria, yeast, Arabidopsis, nematodes, zebrafish, Drosophila and mice will be covered. All students will critically evaluate and present a scientific paper from a leading journal on a topic in genetics. During Recitation, activities for graduate students will span cutting edge topics in genetics such as stem cells, personalized genomics, and regenerative medicine. Students will track and present the latest advances in genetics as reported by the journals Nature and Science.

Interested students are invited to contact Drs Bedinger and Garrity for more information.

Prerequisite: BZ 350 or LIFE 201A or LIFE 201B or SOCR 330. Junior standing.



# New Class: fall 2016

## BZ418: Ecology of Infectious Diseases

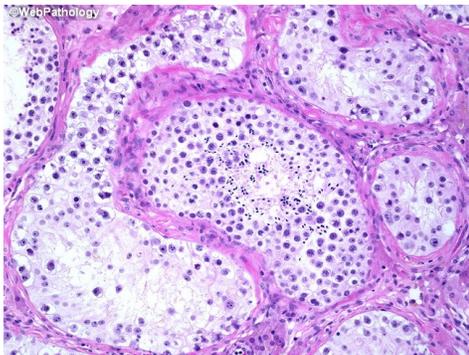
*From Anopheles to Zika—an introduction to zoonotic diseases*

**Offered Friday, 11:00am-2:20 pm**

**(Recitation immediately follows lecture)**

**Instructor: Dan Salkeld, [dan.salkeld@colostate.com](mailto:dan.salkeld@colostate.com)**

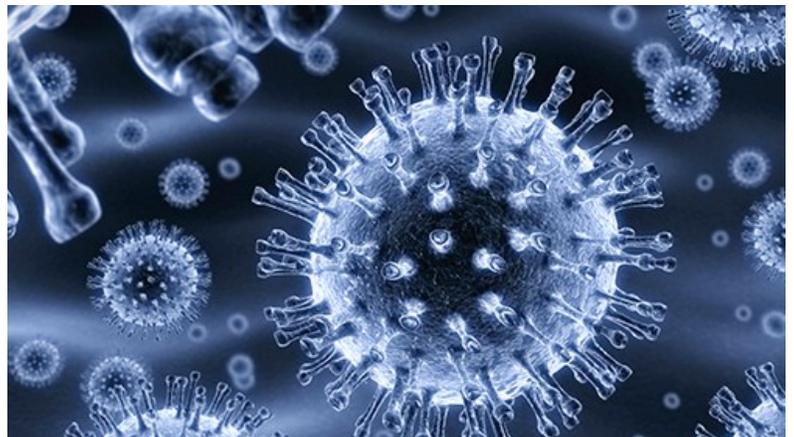
**4 credit, lecture and recitation**



**Course Description:** This lecture course will examine basic principles of disease ecology: the distribution and determinants of disease, the control of health problems, and the medical detective work required to understand disease outbreaks, especially zoonoses (pathogens transmitted from wildlife to humans). Simultaneously, we will use ecological theory to understand infectious disease emergence and

spread in human, veterinary and wildlife systems. We will use case studies from developed and developing countries to explore the science surrounding public health issues such as vaccination, globalization, One Health and disease control.

**Prerequisite:** LIFE 320; overrides available for interested students who do not meet the pre-requisite—speak with an Academic Success Coordinator for more information. Students must have credit for LIFE 102 and LIFE 103 at a minimum.



# Summer 2016 opportunities

## Horticulture Internship

The Horticultural Assistant works with the Horticultural Specialists and performs skilled manual and technical work involved in the maintenance of the Aurora Xeriscape Demonstration Garden, works with and helps train volunteers, assists in educating customers in xeriscape principles and techniques and assists with work planning by scheduling, organizing, and securing materials and equipment for the accomplishment of assigned tasks.

Primary Responsibilities:

- Maintains existing garden features
- Schedules, organizes, and secures materials for new garden feature projects
- Assists in repairing irrigation system as needed
- Assists in organizing volunteer work projects and in training volunteers
- Educates garden visitors and customers on xeriscape principles and Water Conservation programs
- Assists with conservation classes as needed
- May work some weekends and nights as needed
- Performs additional duties as assigned

**Pays:** \$12-\$14 per hour

**Education:** High School diploma or GED with current enrollment in a college program.

**Experience:** Previous horticulture or landscape installation and maintenance experience, environmental resource management and/or volunteer coordination. An equivalent combination of education and training may be considered.

**Knowledge:** Knowledge of methods, techniques, and equipment used in xeriscape/water-smart landscaping, botany, horticulture, irrigation and applicable safety practices and procedures.

**Skills:** Must exhibit strong customer service skills. Volunteer coordination, public speaking, plant identification and landscape are preferred. Bilingual preferred but not required.

For more information, call the Aurora Municipal Center at 303-739-7225 or visit <http://agency.governmentjobs.com/aurora>

## Water Assessment Internship

The Water Assessment Intern performs irrigation assessments and inspections for residential and large property customers; compiles data and creates written reports based on assessment findings; may perform general irrigation repair functions in the demonstration gardens.

Primary Responsibilities:

- Conducts physical inspection of operating irrigation systems
- Compiles data to create detailed reports of inspection findings
- Works directly with City of Aurora residents
- Analyzes water use and consumption data
- Performs additional duties as assigned

**Pays:** \$12-\$14 per hour

**Education:** High School diploma or GED with current enrollment in a college program.

**Experience:** Basic/intermediate computer experience and experience in customer service or customer contact. Related experience that demonstrates necessary knowledge, skills and abilities to perform the essential functions of the position.

**Knowledge:** Microsoft Office software and a basic understanding of computers. An understanding of water conservation and irrigation systems and practices is preferred.

**Skills:** Skilled in the use of general tools, equipment, methods and safety practices common to assigned functions. Must exhibit strong customer service skills. Ability to pick up new skills quickly and be an enthusiastic team member.

For more information, call the Aurora Municipal Center at 303-739-7225 or visit <http://agency.governmentjobs.com/aurora>

# Summer 2016 opportunities

## McKay Lab Internship

The McKay lab in the Department of Bioagricultural Sciences and Pest Management at CSU ([mckaylab.colostate.edu](http://mckaylab.colostate.edu)) is seeking undergraduate students to participate in research on the genetics of adaptation. Participation in this research involves learning methods of plant growth and care, basics of genetic analysis, and a variety of molecular techniques.

The successful applicant will work closely with graduate students and postdoctoral fellows on field experiments and subsequent data analysis. This is a full time position during summer break, with the possibility of continuing as a part time position into the school year.

Primary Responsibilities (student will be trained to):

- Care for plants
- DNA/RNA extraction
- PCR
- Electrophoresis
- Sample preparation for isotopic analysis
- Detailed measurements on plants (e.g. yield, growth rate, root traits)

**Education:** Enrolled at CSU as an undergraduate, eligible for work study

**Experience:** Some data entry, programming, data quality control and bioinformatics analysis is also part of our research, so experience and/or interest in this area is a plus.

### **Skills:**

- Have an interest in biology, genetics, and adaptation
- Be willing to work for long hours outside
- Good attention to detail
- Be familiar with data collection
- Work well with others

**To apply:** Send a one page resume and a one page statement of interest as a single PDF file to Anne Howard at [anne.howard@colostate.edu](mailto:anne.howard@colostate.edu) to apply for this position. The deadline for submission of these documents is April 15<sup>th</sup>.

For more information, contact Anne Howard at [anne.howard@colostate.edu](mailto:anne.howard@colostate.edu)

## Season Field Technicians: Mosquito Control

Colorado Mosquito Control is now hiring for the 2016 season. Season Field Technicians are at the front line of Environmental Mosquito Management Services. Technicians work on county or municipal environmentally focused mosquito management programs to reduce both nuisance and vector larval mosquito populations via application of mosquito larvicides (Bti or Bs) and are responsible for monitoring West Nile virus activity. The technicians' primary responsibility is to independently perform field inspections and application of mosquito larvicides within their specific geographic areas to prevent emergence of mosquito larvae. In accordance with Integrated Pest Management ideology, training will provide technicians with ID techniques and education about product application and efficacy.

Primary Responsibilities:

- wetland larval mosquito sampling
- field & lab mosquito identification
- application of Bio-larvicides
- accurate data recording
- customer service relations via public education

**Pays:** \$10 per hour

**Education:** Not specified

**Experience:** Applicants must love the Colorado outdoors and must have the ability work independently in a variety of conditions, effectively communicate with residents and supervisors, be able to read aerial maps, and possess a valid drivers license. A company truck will be provided for field related duties.

**Knowledge:** Must have an interest in Entomology, Biology, Environmental Science, Outdoor Recreation and/or Public Health.

**Skills:** Must be 18 years or older, possess a valid drivers license, be in good physical condition (able to lift 50 lbs).

For more information, visit website at [www.comosquitocontrol.com](http://www.comosquitocontrol.com) or see job posting at <http://fortcollins.craigslist.org/lab/5481879047.html>