

## **Department of Animal Science Facility Internships**

If you are interested in one of the internships below, please contact the facility manager and ensure that you have met the prerequisites. Internship credit is assigned under ANS 92/192 and one unit of credit will be assigned per 30 hours of work each quarter.

### **ON CAMPUS**

#### **Meyer Avian Research Facility/ Hatchery**

On campus in Meyer Hall

Facility Manager: Kristy Portillo – [knsmith@ucdavis.edu](mailto:knsmith@ucdavis.edu)

#### **Avian Management Internship: (All)**

- Duties: Help provide general maintenance and management of the facility, routine animal room checks, routine health observations of birds, daily/weekly/monthly room cleaning schedule, record keeping, cage/equipment cleaning (sanitize/disinfect), beak and nail trimming, socializing, behavioral observations, wing banding, comb trimming and vaccinating.
- Qualifications: **Students must be reliable.** For biosecurity reasons, it is very important we protect our colonies and minimize the risk of individuals bringing in avian diseases. Students are not to have contact with any birds outside of the facility during the entire internship. In addition, showering-in and wearing clean scrubs/clothing is required for students who have been in contact with any outside birds (pet birds, wild birds, raptor center, zoo, pet store etc.). A variety of pathogens can be brought in on shoes and other articles of clothing that are not regularly laundered (i.e. backpacks and jackets). These rules must be strictly followed. Questions or concerns regarding bird contact, must be discussed with facility manager prior to the start of the internship.

#### **Meat Lab (Cole C)**

On campus across from Meyer Hall

Facility Manager: Caleb Sehnert – [csehnert@ucdavis.edu](mailto:csehnert@ucdavis.edu)

#### **Meat Lab Internship: (All)**

- The Meat Lab (Cole C) Internship will provide students with experience in food production related to meat science. The student intern will be responsible for working at a USDA inspected abattoir. The intern will be involved in all aspects of meat processing starting with the live animal to the sale of the finished products. Students learn and follow HACCP programs and Standard Operation Procedures that cover the production of safe, wholesome food productions that will be sold to the general public. Interns learn general anatomy as it relates to preparing difficult cuts of meat in pork, beef, and lamb. Interns will learn about safe handling of meat products and will be involved in preparation of various meat productions.
- Prerequisites: ANS 49G
- All internships are done on an individual basis after completion of ANS 49G.

**Small Animal Colony (Cole B)**

On campus across from Meyer Hall

Facility Manager: Sandra Weisker – [sweisker@ucdavis.edu](mailto:sweisker@ucdavis.edu)

**Small Animal Colony Internship: (All)**

- This internship will provide students with hands-on experience related to small animal husbandry, management, and sanitation. The students' tasks will include but not be limited to the following: cleaning, maintaining, and properly using PPE; checking each cage daily; providing food and water; both recording new litters and weaning them; recording temperature and humidity; filing out DVMax card for ill or dead animals; changing mouse and/or rat cages; breeding mice and/or rats; cleaning animal rooms; using various machines including tunnel washer, rack washer, autoclave machine, and laundry washer and dryer; working with other workers; using chemicals including bleach, ethanol, and quaternary ammonia.
- Prerequisites: ANS 49F
- All internships are done on an individual basis after completion of ANS 49F.

**Horse Barn**

On campus across from Meyer Hall

Facility Manager: Kelli Davis – [kaddavis@ucdavis.edu](mailto:kaddavis@ucdavis.edu)

**Herd Health Management: (All)**

- Duties: General barn work including handling and care of the horses.
- Prerequisites: ANS 49E, or adequate experience with horses

**Foal Manager Internship: (Winter and Spring)**

- Duties: Foal Managers are responsible for the care of the broodmares during parturition, as well as training of the yearlings. Foal Managers are in charge of pre- and post-parturition care of the mare and foal, basic ground training of the weanlings, and advanced training of the yearlings (such as standing for the farrier, clipping, and trailer loading). In addition, the Foal Managers organize the Annual Production Sale held every year on the 3<sup>rd</sup> Saturday in June. Foal Managers work closely with the Stud Managers to ensure all daily activities run smoothly at the Barn.
- Prerequisites: ANS 115
- Note: This is a 5 unit internship, for each quarter. Students must be able to commit to both quarters.

**Stud Manager Internship: (Winter and Spring)**

- Duties: Stud Managers are responsible for caring for the stallions' general and reproductive health. Some aspects of the internship include: daily handling of stallions, collection, artificial insemination, evaluating and processing semen, estrous cycle manipulation, teasing mares, processing cooled and frozen semen, ultrasound techniques, and assisting veterinarians with breeding of client mares. The Stud Managers also give breeding (i.e., collection and insemination) demonstrations to the public at various events such as UC Davis' Picnic Day, Western States Horse Expo, and at the Annual Production Sale. Stud and Foal Managers work together to keep a high level of reproductive efficiency at the Horse Barn.
- Prerequisites: ANS 115
- Note: This is a 5 unit internship, for each quarter. Students must be able to commit to both quarters.

### **Student Assistant Barn Manager**

- Duties: Responsibilities include scheduling vet appointments, farrier appointments and tours, manage daily care of horses including making feeding charts, stall cleaning schedules, coordinating medical treatments, assisting barn manager with facility maintenance, outreach and office duties.
- Prerequisites: Extensive horse experience, prior stallion/mare foal management or 92/192 internship preferred
- Note: year long position, June- June, commitment is 20 hours/ week. Applications are due late April

### **Stallion Management Internship (Winter and Spring)**

- Duties: focused on stallion and mare reproduction. Interns are involved with all aspects of from handling and collecting stallions, processing and evaluating semen, and calculating breeding doses for fresh, cooled, and frozen semen. In terms of mare reproduction, interns will execute estrous cycle tracking via teasing, palpation, and rectal ultrasound, assisted reproductive techniques including artificial insemination, uterine lavage and infusion, estrous cycle manipulation, and pregnancy checks. In addition, stallion managers are responsible for caring for Horse Barn owned and client stallions and mares, including grooming, exercising, stall cleaning, and breeding management. Interns will be involved in facility events, such as FFA Field Day, Picnic Day, and more!
- Prerequisites: Minimum 1 equine course (ANS 15, 115, Herd Health internship, etc), Extensive horse experience, Formal application- due late Oct/ early Nov, Interviews held mid-November
- Note: 6-month internship from January- June, commitment is 5 units for 20 hours/ week

### **Student Resident**

- Duties: Student residents will feed, administer medications, complete treatments, daily observations and night checks. Residents will also assist with events, even preparation and chores as needed. The work will be split amongst two horse barn residents.
- Prerequisites: moderate horse experience, prior horse barn internship preferred.
- Note: this is a 1- year position, student will be living in the horse barn. Dorm-style resident rooms with one bedroom with bunk beds and own bathroom. Applications will be due mid-December. The position will run from June-June.

### **Barn Cleaning Assistant (All)**

- Duties: Student Assistants will be responsible for cleaning stalls daily and pens weekly, as well as help with other facility preparations for events and inspections.
- Prerequisites: basic horse experience, previous stall cleaning experience preferred
- Note: This is a year-round commitment, including summer, some holidays, weekends and breaks. Student will likely work ~5-20 hours per week depending on the time of year.

### **Dairy**

On campus by the Tercero Dorms  
Facility Manager: Doug Gisi – [ddgisi@ucdavis.edu](mailto:ddgisi@ucdavis.edu)

### **Calf Management Internship: (All)**

- Duties include: Raising healthy calves.
- Prerequisites: None

- Note: Internships are assigned the last week of instruction of the previous quarter. Students must be signed up for the internship the first week of school in order to attend the required safety course.

**All other internships are done on an individual basis**

- Prerequisites: Calf Management Internship

## **OFF CAMPUS**

### **Beef Barn/Feedlot**

~1 mile off campus

Facility Manager: Marissa Fisher- [mfisher@ucdavis.edu](mailto:mfisher@ucdavis.edu)

Please contact Facilities Coordinator: Dan Sehnert – [djsehnert@ucdavis.edu](mailto:djsehnert@ucdavis.edu)

### **Beef Cow-Calf Management Internship: (Fall)**

- Duties include: Breeding, calving, feeding, health management, record-keeping and marketing. Designed to give students an opportunity to develop skills necessary for management of a beef cow-calf operation.
- Prerequisite: ANS 49B or documented large animal experience.

### **Feedlot Management Internship: (All Year)**

- Duties include: Feeding, vaccinating, health management, record-keeping and marketing. Designed to give students an opportunity to develop skills necessary for management of a beef feedlot.
- Prerequisite: ANS 49B or documented large animal experience

### **Center for Aquatic Biology and Aquaculture (CABA)**

~ 1.5 miles off campus

Director: Linda Deanovic – [ladeanovic@ucdavis.edu](mailto:ladeanovic@ucdavis.edu)

Assistant Facility Manager: Matthew Stone – [mlstone@ucdavis.edu](mailto:mlstone@ucdavis.edu)

### **Internships Available: (All)**

- ANS 92 or 192 internships are available. CABA also regularly hires Student Assistants to aid in daily animal care and facility maintenance. These openings are listed on Handshake link.

### **Feedmill**

~1 mile off campus

Facility Manager: David Gall – [dagall@ucdavis.edu](mailto:dagall@ucdavis.edu)

### **Feedmill Internship: (All)**

- Students will learn to mix diets for livestock and operate feed mill machinery. Will mix diets for research animals, learn to drive a tractor and/or front loader, learn methods for processing feed ingredients, learn proper feed preservation and storage, and how to use feed mill machinery to process feed ingredients and mix rations.
- Prerequisite: Consent of facility manager. All internships are done on an individual basis.

### **Goat Barn**

~ 1 mile off campus

Facility Manager: Benjamin A. Rupchis – [barupchis@ucdavis.edu](mailto:barupchis@ucdavis.edu)

**Goat Kidding & Kid Management Internship:** (Winter and Spring)

- Duties: Students will help prepare facility for kidding season and will learn to assist at births. Students will also help with collecting samples at birth, processing newborn kids, feeding kids, pasteurizing milk, care of pre/post partum does. Students must be able to commit to a time slot and be **reliable** to attend during the selected time slot.
- Prerequisites: None
- Note: spring interns are selected beginning the first of March. Winter interns are selected in the beginning of mid-January.

**Goat Breeding & Herd Health Management Internship:** (Variable)

- Duties: Students will gain experience in goat breeding, which will include daily heat checks and breeding as required. Methods of mating may include hand mating, artificial insemination, or pen breeding. Students will also participate in herd health care, hoof trimming, grooming, clipping, and medical treatments.
- Prerequisites: Previous experience at facility or approval from facility manager

**Goat Assistant Herd Manager Internship:** (All)

- Duties: Students will gain experience in herd health management, record keeping, breeding, kidding, kid-rearing, and feeding.
- Prerequisites: Previous experience at facility or approval from facility manager

**Goat Milking and General Management Internship:** (All)

- Students will prepare the parlor for morning or evening milking, run the sanitizing rinse, assist with bringing goats into the parlor, learn proper milking procedure (pre-dip, pre-strip, apply machines, final strip, post-dip), assist with milking, washing the machines and parlor after milking. As events and activities arise at the facility, interns may be asked and expected to assist with other tasks around the facility as part of the general management portion of the internship. This may include (but is not limited to) kidding, performing health checks and treating recently fresh does, or checking heats and breeding does. During fall quarter we will be drying does off for the winter and milking will take less time as the quarter progresses. Milking will be ongoing throughout the quarter.
- Prerequisites: Previous experience with goats or ANS 49D

**Hopkins Avian Research Facility**

~ 2.5 miles off campus

Facility Manager: Kristy Portillo – [knsmith@ucdavis.edu](mailto:knsmith@ucdavis.edu)

**Avian Management Internship:** (All)

- Duties: Help provide general maintenance and management of the facility, routine animal room checks, routine health observations of birds, daily/weekly/monthly room cleaning schedule, record keeping, cage/equipment cleaning (sanitize/disinfect), beak and nail trimming, socializing, behavioral observations, and egg processing for both fertile and non-fertile (consumable) eggs.
- Qualifications: **Students must be reliable.** For biosecurity reasons, it is very important we protect our colonies and minimize the risk of individuals bringing in avian diseases. Students are not to have contact with any birds outside of the facility during the entire

internship. In addition, showering-in and wearing clean scrubs/clothing is required for students who have been in contact with any outside birds (pet birds, wild birds, raptor center, zoo, pet store etc.). A variety of pathogens can be brought in on shoes and other articles of clothing that are not regularly laundered (i.e. backpacks and jackets). These rules must be strictly followed. Questions or concerns regarding bird contact, must be discussed with facility manager prior to the start of the internship.

**Swine Facility**

~ 2 miles off campus

Facility Manager: Aaron Prinz- [agprinz@ucdavis.edu](mailto:agprinz@ucdavis.edu)

**Swine Internships: (All)**

- Students will gain experience in all aspects of pork production.
- Prerequisites: ANS 49J
- All internships are done on an individual basis after completion of ANS 49J.

**NOT IN DAVIS, CA**

**Sierra Research and Extension Facility**

~75 miles northeast of campus

Facility Manager: Jordan Munson - [jomunson@ucdavis.edu](mailto:jomunson@ucdavis.edu)

**Synchronization and AI Breeding Internship: (Fall) late November- early December**

- Duties include: Quietly handle cattle through corrals and chutes, administer injections for synchronization, check for signs of estrus (morning and evening), sort and move cattle from fields through working facilities, recordkeeping.
  - Students will learn the entire process of Artificial Insemination - thaw and prepare straws for insemination and manipulating the AI gun through the cervix. This is not an AI certification course nor will the students be inseminating. However, all students will palpate a number of cows and should be able to find the cervix and manipulate the AI gun through the cervix.
- Prerequisites: None
- Note: Housing is provided

**Calving Management Internship: (Fall)**

- Duties include: Check for signs of calving (including night checks), monitor progression, and assist with deliveries; tag, weigh, and give selenium injection to new-born calves; monitor health of cows and calves and treat as necessary; quietly and efficiently move dry cows and pairs through the calving fields; and recordkeeping.
- Prerequisites: None
- Note: Students must sign up for, and spend, three weekends from Sept 1 through Nov 15. Housing is provided.

**Cow/Calf Management Internship: (Fall) approximately September 15<sup>th</sup> – December 20<sup>th</sup>**

- Duties include: assisting with calving, processing newborn calves (tagging, weighing, tagging, vaccination, etc), helping veterinarians with reproductive tract scoring, assisting with breeding soundness exams and synch/AI breeding with the heifers/cows. Students must maintain record keeping/data entry for the entire internship.
- Prerequisite: None
- Note: Housing is provided

**Imperial Valley Desert Research Center**

Off campus ~90 miles outside of San Diego in El Centro, CA

Facility Manager: Richard Zinn – [razinn@ucdavis.edu](mailto:razinn@ucdavis.edu)

**Feedlot Internship: (All)**

- Duties: Feeding, facilities management, working cattle (weighing, processing, doctoring), feed mill operations (grinding hay, flaking grain, mixing feed, etc).
- Prerequisites: None
- Note: Students will be provided dormitories at the facility.

**Nutritional Lab internship: (All)**

- Duties: Perform routine laboratory procedures including sample preparation, dry matter, proximate analysis (ash, N, NDF/ADF, fat), starch, purine, minerals, gross energy, and volatile fatty acids.
- Prerequisites: None
- Note: Students will be provided dormitories at DREC facility.