
Eastside Animal Center Externship Guidelines

- We will expect you to spend normal business hours at the clinic:
 - Monday – Friday 8:00am – 5:00pm
 - Saturday 8:00am – Noon
 - You should also be available after hours to assist the on-call veterinarian with emergencies.
- **First and foremost, be safe! Do not take chances, get in a hurry, or speed through a job you are uncomfortable with. We want to complete tasks correctly and safely.**
- Cell phones - you may check your phone but, you are **not** to be on them during business hours.
- We ask that you help with the everyday jobs such as walking dogs, cleaning kennels, administering treatments, cleaning up equipment, clothes etc.
- It is important that you take the initiative to be a part of the clinic during your externship so that you may become a well rounded employee.
- Clean work clothes and coveralls are needed. Rubber boots or washable, sturdy shoes should be worn and scrubbed daily. There are a washer and dryer in the kennels in the clinic. We have a few extra pairs of coveralls, if needed, and will provide splash suits and other protective wear for ultrasounding, preg checking, etc.
- We would like to provide you with as much hands-on experience as possible. However, your exposure will vary depending on the time of year and nature of the cases/jobs presented. We will determine your level of “hands-on” participation in each case/job as it arises.
- We do ask that you assist with preparing for jobs and calls, and to help with clean-up afterward. This will include loading pickups, hooking up chutes, cleaning instruments and equipment, unloading vehicles, etc. Please assist our veterinary staff with these tasks. Cleanup typically includes the following areas:
 - Outside pens, alleys, and chute
 - Portable chutes and calf cradles
 - Small animal kennels and cage room
 - Lab area
 - Surgery room
 - OB room
- During “down time”, you may spend time looking into the following is a list of programs, readings, and instruments to make your experience here more fulfilling:

- **Cow/calf 5:** This is a computer program that allows producers to keep track of and analyze their cow herd and calf crop from year to year. You can enter data in the program, or peruse data from our producers. If you have any experience with this or other programs, please feel free to share them with us!
 - **BRANDS:** (product of the Iowa Beef Center) This is a computer program that we use frequently at ESAC to formulate ratio for calves, cows, heifers, and bulls at various growing stages and times of the year. We will give you sample rations to formulate and balance.
 - **VITALIX:** This is the mineral that we sell at the clinic. There are pamphlets in this binder that you can read to learn more about the products. We sell mainly #1 and #7 tubs. #1 tubs are higher in protein and producers generally use them in the winter for cows on cornstalks, when protein intake is lower. The #7 tubs are a general tub for cows in spring during calving, while on summer pasture, etc.
 - **HM 5 and VetScan Machines:** These are the complete blood count and chemistry blood analyzing machines that we use at ESAC. You can read through the manuals and ask a doctor or technician to demo the machines for you.
 - **Radiograph:** (collimator is “Collimax” brand) Our machine is digital and used to diagnose disease in small animals. It has portable capabilities and can be used for equine and food animal radiographs as well. Please ask a technician to walk you through the process of entering patient/owner information, views to be taken, measuring and taking pictures.
 - **Ultrasound machine:** (Shimadzu SDU-350XL Veterinary Ultrasound from Universal Medical Services, Inc.) We use this machine mainly for the ultrasound of heifers and cows for pregnancy in late summer and fall. Less frequently we have used the machine for small animal pregnancy detection, small animal abdominal ultrasounds, goat pregnancy detection, etc.
 - As of January 2015, we have a 2nd ultrasound machine (Universal UMS900 NEO) and two probes; a 2nd linear probe for large animal ultrasound, and a micro-convex probe for small animal ultrasound.
 - **AVImark:** This is the computer program utilized at ESAC. During down time, approach one of the front staff and have them go through checking in an animal, adding clients/pets, submitting charges, checking out sick animals/surgical patients, searching for information and procedures, etc. Technicians and assistants can walk you through these steps as well.
 - **Estrus Synchronization Program:** (product of the Iowa Beef Center) This is the program that we utilize to calculate timed-AI programs for clients in the spring. Ask Taryn or a doctor to walk you through creating a program, or peruse on your own.
 - **Genex:** We utilize this semen service to provide a complete artificial insemination program to our large animal clients. We can take our clients from the semen order through to selling bred heifers or calving the next spring. We strive to provide all of the services in-between; including vaccine programs, AI, ultrasound/pregnancy examination, feeding rations, and help with dystocias.
 - We can also go through our laboratory submission forms, CVIs, Coggins/Brucellosis forms, etc.
- It is our goal to provide you with as much hands-on experience as possible. We also allow opportunity for you to spend one-on-one time with each of our four doctors to discuss our programs, services, business details, as well as large and small animal

medicine topics. We would be happy to tailor the externship to fit the specific area(s) that you are interested in.

- Housing: We will provide you with housing while you are here for your externship period.
- **If you come here with a good attitude and a willingness to learn and share your knowledge, we hope to provide you with a fulfilling experience. Welcome!**

Points of Discussion:

If time allows and you have an interest in any of these topics, please feel free to bring them up, ask questions, and share your knowledge with us!

- Common small animal cases in mixed animal practices
 - Cats-diabetes, kidney disease, upper respiratory infections, abscesses, hyperthyroidism
 - HBC
 - Limb amputation
 - Fracture repair
 - Cruciate ligament: tears/ruptures, repair techniques
 - Patellar luxation
 - Coxofemoral luxation
 - Hip dysplasia
 - Cushing's Disease
 - Hypothyroidism
 - Elective procedures
- Cow-calf herds: conception to marketing
 - Replacement heifers
 - BSE-bulls
 - Pelvic examination
 - Artificial insemination vs. natural breeding
 - Ultrasounding vs pregnancy examination
 - Calving (dystocia, IV fluid management of the sick calf, etc.)
 - Pasturing cow/calf pairs
 - Rotational grazing
 - Nutrition/supplements on pasture
 - Vaccination Protocols
 - Weaning calves
 - Preconditioning
 - Pre-Breeding
 - Preg checking
 - Profit-loss analysis at year's end
 - Record keeping
 - Workup of the "down cow"
 - Ca, Mg, K, phosphorous

- Feedlot
 - Breakeven projections-calculations
 - Dealing with disease outbreaks, aka “wrecks”
 - Glorified processing crew to consultation role
 - Where we fit
- Equine
 - Colic workup
 - Laceration repair
 - Vaccination/deworming programs
 - Lameness examinations
- Laboratory
 - Interpreting CBC (WBC-differential) and chemistry values
 - Electrolytes
 - Liver values
 - Kidney values
 - Thyroid (T₄)
 - Fecals
 - Small animal
 - Food animal
- Business
 - Inventory
 - Human relations
 - Client satisfaction
 - Employee satisfaction/Personnel management
 - Profit-loss statements
 - Balance sheets
 - Record keeping
 - AVImark
 - Charting
 - Quickbooks
 - Ethics
 - Professionalism
 - Volunteerism/Community Service
 - Personal Finance