



The Randall B. Terry, Jr. Companion Animal Veterinary Medical Center 2010

If found please return to:

STUDENT NAME

Phone # or email

Clinical Competencies Checklist

Class of 2013

Advisor Sign off

End of 1 st year	
End of 2 nd year	
End of 3 rd year	
Tasks Completed	

When all tasks are completed, please hand this book into the Office of the Associate Dean for Academic Affairs

AVMA Statement on Clinical Competencies Outcomes:

Veterinary graduates must have the basic scientific knowledge, skills and values to practice veterinary medicine, independently, at the time of graduation. At a minimum, graduates must be competent in providing entry-level health care for a variety of animal species.

The school/college must provide evidence that students/graduates have had adequate access to primary care cases and hands-on experiences with live animals and must address clinical competencies in the following areas:

1. comprehensive patient diagnosis and demonstration of problem solving skills (e.g., appropriate use of clinical laboratory testing, and record management)
2. comprehensive treatment planning including patient referral when indicated
3. anesthesia and pain management, patient welfare
4. basic surgery skills, experience, and case management
5. basic medicine skills, experience, and case management
6. emergency and intensive care case management
7. health promotion, disease prevention, zoonosis and food safety
8. client communications and ethical conduct
9. strong appreciation for the role of research in furthering the practice of veterinary medicine.

CORE MATERIAL:

EVERY VETERINARY STUDENT MUST GET SIGNED OFF ON THE FOLLOWING TASKS

Husbandry/Restraint/Routine Client Education skills

- Demonstrate the ability to identify the major categories for common domestic species. Includes being able to identify yearling heifer, steer calf, brood cow, etc. Identify common coat colors in the horse, mare, gelding, stallion, foal, yearling.
- Demonstrate the ability to safely catch and restrain a horse, a cow, a pig and a sheep. Includes haltering, leading, twitching, restraining for venepuncture, and picking up feet.
- Demonstrate a quick release knot and a quick-release halter tie or a quick release tail tie.
- Demonstrate the ability to safely catch and restrain a dog, a cat, a bird species, a reptile species, one small mammal other than a dog or cat.
- Demonstrate the ability to observe animal and state whether behaviors observed are normal/abnormal, one large animal species, one small animal species, one species of your choice
- Demonstrate the ability to identify and evaluate basic large animal foods types: at least 3 types of hay, 2 types of grain, 2 major pig feeds
- Demonstrate ability to counsel potential owner on pet/animal selection criteria (eg:spp/breed vs. owner lifestyle)
- Demonstrate ability to educate owner regarding the biological needs (housing, feeding, routine care) of one small animal and one large animal species
- Demonstrate ability to educate owner regarding the socialization, behavioral needs, and training (including housetraining, if appropriate) of one small animal and one large animal species.
- Demonstrate ability to educate owner regarding routine reproduction of one small animal and one large animal species.
- Demonstrate ability to counsel owner on core vaccination requirements for one small animal and one large animal species

- Demonstrate ability to counsel owner on parasite control regimes for one small animal and one large animal species
- Demonstrate the ability to counsel potential owner on selection of, biological requirements of, and proper husbandry techniques for a zoological species commonly seen in practice.
- Load and operate projectile drug delivery device.

Physical exam skills

- Perform basic physical exam dog, cat, horse, cow or small ruminant, pig, one reptile species, one bird species, one small mammal other than dog or cat, one other species of your choice. Includes TPR, demonstrating the ability to localize and describe sounds in the thorax, localize and demonstrate organs within the abdomen, demonstrate abdominal palpation and auscultation. Must know normal TPR for a small mammal, dog, cat, horse, and cow. Must be able to name and identify major lymph nodes in appropriate species. Must be able to perform rectal exam and express anal sacs in dog.
- Body condition scoring in dog, cat, horse, cow
- Perform the following specialty exams :

Orthopedic (lameness) exam on a small animal patient and a horse, including naming and identification of all major joints, recognizing normal angles and range of motion for major joints and the hoof, use of a goniometer, use of a hoof tester , use of a hoof pick, use of a hoof gauge, flexion tests, thigh circumference measurement in dog

Neurologic exam small animal patient, horse, must demonstrate:

- Patellar reflex
- Withdrawal reflex
- Panniculus reflex
- Deep pain assessment
- Menace response
- Palpebral reflex
- Pupillary light reflex

- Conscious proprioception
- Hopping
- Bladder palpation/expression

Ophthalmic exam, including use of direct and indirect ophthalmoscope, ocular pressure measurement, small animal patient, horse. Must demonstrate:

- Menace response
- Pupillary light reflex
- Dazzle reflex
- Schirmer tear test
- Fluorescein staining

Dermatologic exam, as appropriate for patient, Must demonstrate:

- General dermatologic exam
- Recognize primary and secondary dermatological lesions
- Otic examination
- Skin scrapings - deep / superficial
- Skin cytology - tape/swab/aspiration
- Otic cytology
- Appropriate methods of collection of samples for bacterial / fungal culture
- Woods lamp examination
- Trichogram

Cardiovascular exam, including identifying, describing, and assessing the clinical significance of transient heart sounds and murmurs, examining arterial and venous pulses, obtaining a resting standard 6-lead EKG, accurately measuring noninvasive arterial blood pressure in small and large animal patients

Oncologic exam, including fine needle aspirate, lymph node palpation and identification

Reproductive exam

- Obtain and interpret a vaginal smear in the bitch.
- Conduct a pregnancy exam on a bovine, equine, and canine female.
- Prepare and evaluate semen from either a stallion, bull, or a stud dog.
- Conduct an examination of the external genitalia of the intact bovine, canine, and equine male and female.
- Properly describe and correct malpresentations, positions, and postures in a case of bovine or equine dystocia. They should also be able to place obstetrical chains properly on either the fore or rear limbs of a bovine or equine fetus.

Sample taking

- Obtain a blood sample dog, cat, horse, cow, sheep, pig, one bird species, one reptile species, one small mammal other than dog or cat, one other species of your choice.
- Collect blood using needle and syringe
- Collect blood using vacutainer.
- Obtain a urine sample using catheterization
- Obtain a urine sample using cystocentesis
- Obtain a milk sample from a cow for mastitis evaluation
- Obtain a fecal sample
- Obtain a cloacal culture (bird)

Radiology, Necropsy, Clinical Pathology

- Perform radiographic exams for 5 patients (position, create, process, interpret radiographs)
- Perform complete necropsy on two mammalian species, one species of choice.
- Collect samples appropriate for 1) biopsy submission from 3 tissue types, 2) microbiological sampling, 3) toxicologic sampling.
- Be able to select a pig from a group for post-mortem examination. In the pig, be able to identify major lymph nodes, tonsils, area of lung most affected by pneumonia, sites of ulcers.
- Process a blood sample (PCV, TS, glucose, BUN, make blood smear,

separate serum, count cells and platelets)

- Process a urine sample (dipstick, specific gravity, cytology)
- Examine a fecal sample for parasites
- Perform an ELISA test

Basic medicine skills, experience, problem solving and case management

- Obtain a complete clinical history for 6 patients. Obtain client histories with clinician supervision, demonstrating appropriate body language, eye contact, appropriate language, respect for client's emotions and view of the problem.
- Define "chief complaint" and problem list for 6 patients, including one special species patient.
- Make a differential diagnosis list for 6 patients, including one special species patient.
- Choose the appropriate diagnostic tests for 6 patients, including one special species patient.
- Create a problem-oriented medical record for 6 patients, demonstrating ability to organize and succinctly state facts and opinions with correct spelling and punctuation.
- Provide oral summary of 5 cases for peers, demonstrating organization and precise language
- Create laboratory flow sheet for 2 individual animals, demonstrate case management using flow sheet
- Follow 5 patients through treatment of a problem
- Discuss case progress with 5 clients, demonstrating ability to address client concerns, to discuss financial matters, empathy with client, appropriate boundaries with client
- Provide oral discharge instructions for 5 clients, demonstrating solicitation of client feedback to assure that the instructions are understood, solicitation of client's point of view and concerns regarding ability to provide treatment, appropriate demonstration of techniques
- Write 5 discharge instructions, demonstrating ability to organize and succinctly state facts and opinions with correct spelling and punctuation
- Perform follow up phone calls on 5 patients to assure problem

resolution or need for continuing diagnostics/therapy

- Participate in medical primary care clinic at least 5 days (wellness clinic, shelter, vaccination clinic, practice)
- Participate in the management of at least 5 medical referral patients (any species)
- Evaluate, workup and properly record a case involving a population of animals.
- Demonstrate oral administration of medications horse, ruminant, dog, cat, one bird species, one reptile species, one small mammal other than dog or cat, one other species of your choice. Includes demonstrating tablet administration, or the use of an oral dose syringe, as appropriate.
- Demonstrate SC administration of medication large animal, small animal, one bird species, one reptile species, one small mammal other than dog or cat, one other species of your choice
- Demonstrate IM administration of medication large animal, small animal, one bird species, one amphibian/reptile species, one small mammal species, one other species of your choice. Includes being able to show landmarks for muscle groups, knowing muscles used in food animals, knowing pros and cons of each injection site. Specifically be able to discuss sites used for vaccines, large volumes (procaine penicillin in the horse), iron shots in pigs.
- Demonstrate bolus IV administration of medication large animal, small animal, other species of choice. Be able to discuss how to manage perivascular injection of a caustic material.
- Choose, calculate amounts and administer intravenous fluids to 7 animals, including one small mammal.
- Place IV or IO catheter in 1 bird and 1 amphibian/reptile and calculate fluid amounts for 1 avian and one amphibian/reptile patient.
- Choose and calculate correct drug dosages for 8 animals, including one patient receiving constant rate infusion drugs and one bird species, one amphibian/reptile species, one small mammal other than dog or cat.
- Write 5 outpatient prescriptions in a format that would allow them to be filled at a compounding or human pharmacy
- Administer 5 controlled drugs, keeping correct records for each drug.
- Be able to load and operate a projectile drug delivery device (blow

gun, air rifle, pole syringe)

- Demonstrate ability to evaluate and suggest treatment for a common behavioral problem, such as feline house soiling.

Anesthesia and pain management, patient welfare

- Identify parts of an anesthesia machine
- Put together a circle system
- Put together a non-rebreathing system
- Place IV catheter in 3 small animals (dog, cat, small mammal)
- Place IV catheter in 3 large animals (horse, cow, goat, pig)
- Intubate 6 small animals, including at least 2 cats. Intubate or assist intubation of one bird species, one reptile species.
- Place blood pressure, ECG, and pulse oximetry monitors on 3 patients
- Perform anesthesia on 5 small animals, including record keeping and demonstrating knowledge of monitoring equipment, anesthesia/analgesia
- Perform anesthesia or sedation on a small mammal.
- Perform anesthesia on 2 large animals, including record keeping and demonstrating knowledge of monitoring equipment, anesthesia/analgesia
- Calculate and administer constant rate IV drug infusion.
- Design pain management/anesthesia regime for 3 small animal surgical patients
- Design pain management/anesthesia regime for 2 large animal surgical patient
- Design pain management/anesthesia regime for 1 amphibian/reptile patient
- Design chronic pain management treatment (any species)
- Perform pain scoring on 5 patients (any species)
- Perform 3 local analgesic blocks on any species. Be able to demonstrate the landmarks for commonly used local blocks (dehorning, standing procedures in ruminants, declaw surgery in cats, etc)
- Perform 1 epidural on any species
- Participate in one euthanasia (any species) and explain indications and methods of euthanasia, including methods appropriate for zoological species commonly seen in practice

- Participate in enforcement of a humane handling issue or Explain humane standards for one population of animals
- Educate one lay person on an animal welfare issue

Dentistry

- Dental exam on small animal patient, including charting of lesions
- Dental exam on a large animal patient, demonstrating the ability to age a horse and a cow by its teeth. Know eruption times used for aging immature animals.
- Demonstrate canine or feline dental cleaning and extraction

Basic surgery skills, experience, and case management

- Demonstrate knot tying (square knot, friction knot, one hand tie, two hand tie, instrument tie)
- Demonstrate correct instrument handling (three point grip, pencil grip, suture cutting)
- Demonstrate basic suturing techniques (simple interrupted, simple continuous, Connell, Cushing, Lembert, Ford interlocking, horizontal mattress, vertical mattress)
- Demonstrate pack preparation
- Demonstrate patient preparation
- Demonstrate sterile technique (scrubbing, gowning, gloving, draping, ability to keep a sterile field)
- Demonstrate wound closure, stent use, placement of mattress sutures
- Demonstrate drain placement
- Demonstrate bandaging techniques, small animal
- Demonstrate emergency bandaging techniques, large animal
- Demonstrate bandaging of an open wound (wet-dry bandage).
- Demonstrate suture or staple removal
- Act as primary surgeon for at least 10 surgical procedures, including feline castration, feline spay, canine castration, and canine spay
- Participate in the management of at least 5 surgical referral patients (any species)

Emergency and intensive care case management

- Demonstrate thoracocentesis in small animal patient
- Demonstrate abdominocentesis
- Demonstrate tracheostomy
- Demonstrate administration of nasal oxygen
- Demonstrate technique for gaining emergency venous access
- Demonstrate CPR for a small animal patient
- Demonstrate working knowledge of cardiac resuscitation drugs and goals for a small animal patient
- Outline steps for resuscitation of either a large or small animal in hypovolemic or septic shock including: goals of therapy, fluid therapy (choice of fluid, rate and amount, IV catheter choice), drug therapy and monitoring response of therapy.

Health promotion, disease prevention, zoonosis and food safety

- Health promotion/disease prevention
- See restraint/husbandry/routine education/TAU sections
- Demonstrate ability to educate lay person(s) on 5 zoonotic diseases including at least one that involves zoological species
- Demonstrate ability to educate lay person(s) on 5 diseases transmitted by food, the role of the veterinarian in preventing transmission, and the precautions the lay person should take.
- Design a population based disease control or prevention plan.
- Demonstrate proficiency in planning and execution of a simulated or real outbreak investigation.
- Be able to articulate and provide examples of how veterinarians in public practice promote and protect public and animal health.
- Evaluate a veterinary clinical facility for environmentally responsible clinical practices including disposal of discarded therapeutic agents, energy conservation, and emissions/discharge management.
- Evaluate a facility housing large numbers of animals (shelter, farm, zoo, lab animal) for environmentally responsible practices including waste disposal, human/production animal/wildlife interactions, energy conservation, and emissions/discharge management.
- Fill out and complete a Coggins test form
- Complete a health certificate
- Complete Credentialed Responder Training

Client communications and ethical conduct

- Present one ethical dilemma facing an individual veterinarian or the profession, demonstrate ability to choose a position based on system of values
- Demonstrate the ability to educate lay person(s) on an ethical or welfare issue applicable to zoological species. (Maintaining wild animals in captivity in zoos, as companion animals, Game ranching, Human interactions with urban/suburban wildlife, Wildlife Rehabilitation, Extra-label use of drugs in Wildlife).
- Written Communication
see Medicine skills
- Oral Communication
see Medicine skills, Animal Welfare
- Client sensitivity/Grief counseling
Participate in counseling of a client that has lost an animal or Explain stages of grief and techniques for helping client deal with loss
- Teamwork
Be a member of 5 teams and receive passing grades for team participation skills
- Conflict resolution
Present one legal/conflict issue, demonstrating knowledge of the legal issue, both points of view in conflict, suggest possible resolution
- Diversity Training
Attend one approved diversity training experience (i.e. Cultural Awareness Seminar) each of the first three years of veterinary college

Strong appreciation for the role of research in furthering the practice of veterinary medicine.

Each DVM student is required to have one research-related educational experience before graduation. Such experiences could include, but are not limited to:

1. Being in the Clinician Scientist Focus Area, with completion of its research requirements.
2. Performing a summer of approved research at NCSU or another institution. (Previous research work will not qualify.)
3. Research thesis option within Zoological Medicine Focus Area.
4. Successful completion of a research-related selective (i.e. Intro to Research at the CVM, Molecular Medicine Initiative selectives, research selectives personally arranged or already existing such as Advanced Pathology)
5. Attending a research-related conference and supplying a three-page report to your advisor on the experience.
6. Attending the annual CVM Research Forum and supplying a three-page report to your advisor on the experience.
7. Attending a research seminar at the CVM, elsewhere at NCSU or at another institution and writing a three-page report on the seminar and one related publication. (Attending clinical conference is not included.) Hand in the report to your advisor.
8. Writing and submitting a research proposal to an extramural funding agency.
9. Research experiences in Special Topics courses (i.e. Swine Medicine).
10. Being an author on a research paper (not a case report) while in veterinary college

**The following skills will be checked off in
Health Maintenance and Animal Production I, II, III
Teaching Animal Unit**

Must Learn Skills

Equine:

Approach, catch and halter a horse
Lead and turn a horse at the walk
Lead a horse at the trot
Pick up a forelimb and hind limb of a horse
Groom and horse
Use hoof testers
Tie a quick release knot
Use a weight tape
Perform physical exam on adult horse
Perform physical exam on neonatal foal
Perform ocular exam
Place nose twitch
Perform skin fold twitch
Perform ear twitch
Place chain shank over nose
Place chain shank over lip
Complete written physical exam form
Collect blood into a vacutainer
Collect blood using a needle and syringe
Administer an oral medication
Administer an intramuscular injection
Administer an intravenous injection
Administer a subcutaneous injection
Fill out and complete a Coggins test form
Complete a health certificate
Perform lameness exam (including all flexion tests)
Perform neurological exam (including cranial nerve and movement exam)
Pass nasogastric tube

Cattle:

Herding Animals
Correctly halter a cow
Tie a quick release knot
Cast a cow with a rope
Perform a Physical exam
Identify methods of identification of animals
Body condition scoring and relation to life cycle
Feed identification
Collect blood sample from jugular
Collect blood sample from the tail vein
Perform and interpret a TB test
Injection site identification (Beef Quality Assurance)
Identify and perform an intramuscular injection
Identify and perform an intravenous injection
Identify and perform subcutaneous injection
Identify needle sizes for IM, SQ, and IV injections
Administer an oral bolus to at least 2 cows
Pass a stomach tube and administer oral fluids
Processing calves:
 Know how to perform all procedures
 Actively perform at least two procedures (tattooing, castration, dis-budding, implanting)
Pregnancy check > 5months
Collect a sterile milk sample
Perform a CMT test
Interpret a CMT test
Properly use a hoof knife
Restrain and lift a foot for trimming or lameness evaluation

Sheep/Goats

Know and use FAMACHA system for parasite control
Blood collection from jugular vein
Identify jugular landmarks, lung fields, rumen location
Determine age of goats or sheep

- Perform vaccinations
- Perform intramuscular injection (identify sites)
- Perform subcutaneous injection (identify sites)
- Perform a foot trim
- Body condition score a goat or sheep
- TB test a goat or sheep
- Disbudding procedures and nerve blocks (goat only)
- Perform an ultrasound pregnancy diagnosis
- Interpret an ultrasound diagnosis
- Perform a physical exam
- Interpret ultrasound pregnancy diagnosis
- Restrain a sheep or goat
- Administer an oral medication to a sheep or goat

Swine:

- Safely restrain suckling, nursery, and finisher pigs
- Safely move nursery or finisher pigs between pens or sort within pen
- Identify which TAU pig housing facilities are for what age groups
- Collect and interpret sow and piglet data to:
 - Calculate pigs born alive, total pigs born, number of piglets born alive, percent of piglets liveborn. Calculate the total number of pigs weaned, % preweaning mortality for a farrowing group, count # pigs currently in the nursery, and calculate current % nursery mortality.
- Identify the major feed ingredients in pig rations
- Recognize normal feeding behavior
- Perform pregnancy diagnosis in female pigs using different methods
- Identify signs of estrus in the female pig
- Complete physical examinations on individuals and groups of pigs
- Calculate rates of morbidity and mortality
- Restrain and collect blood from nursery and/or finishing age pigs
- List the key criteria for selection of optimal pigs for diagnostic testing
- Identify these key diagnostically significant anatomic structures:
 - Tonsils, turbinates, region of stomach prone to ulcers, ileum, spiral colon, lung lobes, lymph nodes

Poultry:

- Catch and safely restrain a turkey for physical examination
- Catch and safely restrain a chicken for physical examination
- Perform a basic physical examination on turkey
- Perform a basic physical examination on a chicken
- Evaluate general health status of a turkey flock
- Evaluate general health status of a chicken flock
- Perform a cloacal swab on a turkey
- Perform a cloacal swab on a chicken
- Perform a tracheal swab on a turkey
- Perform a choanal swab on a turkey
- Collect a blood sample via wing vein on a turkey
- Collect a blood sample via wing vein on a chicken
- Perform a subcutaneous injection on a turkey
- Perform an intramuscular injection on a turkey

FOCUS AREA MATERIAL: EACH FOCUS AREA WILL DETERMINE REQUIRED TASKS FOR STUDENTS IN THE FOCUS AREA

Notes:

VMB 916/936/956
Health Maintenance and Animal Production

TAU: Cow

A: Cast cow with rope

Sign-Offs:

Cow

Offered in Courses...

VMB 916/936/956 Health Maintenance and Animal Production

B: Place halter

Sign-Offs:

Cow

Offered in Courses...

VMB 916/936/956 Health Maintenance and Animal Production

C: Quick release knot

Sign-Offs:

Cow

Offered in Courses...

VMB 916/936/956 Health Maintenance and Animal Production

D: Collect blood, tail vein

Sign-Offs:

Cow

Offered in Courses...

VMB 916/936/956 Health Maintenance and Animal Production

Health Maintenance and Animal Production

E: Classify: heifer, steer calf, brood cow etc

Sign-Offs:

Cow

Offered in Courses...

VMB 916/936/956 Health Maintenance and Animal Production

F: Herd animals

Sign-Offs:

Cow

Offered in Courses...

VMB 916/936/956 Health Maintenance and Animal Production

G: Identify Animal ID methods

Sign-Offs:

Cow

Offered in Courses...

VMB 916/936/956 Health Maintenance and Animal Production

H: Body condition score, relate to life cycle

Sign-Offs:

Cow

Offered in Courses...

VMB 916/936/956 Health Maintenance and Animal Production

Health Maintenance and Animal Production

I: Complete Physical exam

Sign-Offs:

Cow

Offered in Courses...

VMB 916/936/956 Health Maintenance and Animal Production

J: Administer oral bolus,, at least 2 cows

Sign-Offs:

Cow

Offered in Courses...

VMB 916/936/956 Health Maintenance and Animal Production

K: Collect blood, jugular

Sign-Offs:

Cow

Offered in Courses...

VMB 916/936/956 Health Maintenance and Animal Production

L: IV injection, ID needle sizes

Sign-Offs:

Cow

Offered in Courses...

VMB 916/936/956 Health Maintenance and Animal Production

Health Maintenance and Animal Production

M: Pass stomach tube, give oral fluids

Sign-Offs:

Cow

Offered in Courses...

VMB 916/936/956 Health Maintenance and Animal Production

N: Perform and interpret TB test

Sign-Offs:

Cow

Offered in Courses...

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O: IM injection, ID needle sizes

Sign-Offs:

Cow

Offered in Courses...

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P: Injection site ID, (Beef Quality Assurance)

Sign-Offs:

Cow

Offered in Courses...

VMB 916/936/956 Health Maintenance and Animal Production

Health Maintenance and Animal Production

Q: SC injection, ID needle sizes

Sign-Offs:

Cow

Offered in Courses...

VMB 916/936/956 Health Maintenance and Animal Production

R: Collect sterile milk sample

Sign-Offs:

Cow

Offered in Courses...

VMB 916/936/956 Health Maintenance and Animal Production

S: Perform CMT test

Sign-Offs:

Cow

Offered in Courses...

VMB 916/936/956 Health Maintenance and Animal Production

T: Interpret CMT test

Sign-Offs:

Cow

Offered in Courses...

VMB 916/936/956 Health Maintenance and Animal Production

VMB 916/936/956

Health Maintenance and Animal Production

U: Demo 2 procedures to process calves

Sign-Offs:

Cow

Offered in Courses...

VMB 916/936/956 Health Maintenance and Animal Production

V: Feed identification

Sign-Offs:

Cow

Offered in Courses...

VMB 916/936/956 Health Maintenance and Animal Production

W: Use hoof knife properly

Sign-Offs:

Cow

Offered in Courses...

VMB 916/936/956 Health Maintenance and Animal Production

X: Restrain and lift foot for trim or lameness exam

Sign-Offs:

Cow

Offered in Courses...

VMB 916/936/956 Health Maintenance and Animal Production

VMB 916/936/956

Health Maintenance and Animal Production

Y: Pregnancy check > 5 months

Sign-Offs:

Cow

Offered in Courses...

VMB 916/936/956 Health Maintenance and Animal Production

TAU: Horse

A: Approach, catch, halter

Sign-Offs:

Horse

Offered in Courses...

VMB 916/936/956 Health Maintenance and Animal Production

B: Lead and turn at walk

Sign-Offs:

Horse

Offered in Courses...

VMB 916/936/956 Health Maintenance and Animal Production

C: Lead at trot

Sign-Offs:

Horse

Offered in Courses...

VMB 916/936/956 Health Maintenance and Animal Production

D: Groom

Sign-Offs:

Horse

Offered in Courses...

VMB 916/936/956 Health Maintenance and Animal Production

E: Use weight tape

Sign-Offs:

Horse

Offered in Courses...

VMB 916/936/956 Health Maintenance and Animal Production

F: Tie quick release knot

Sign-Offs:

Horse

Offered in Courses...

VMB 916/936/956 Health Maintenance and Animal Production

G: Pick up forelimb, hindlimb

Sign-Offs:

Horse

Offered in Courses...

VMB 916/936/956 Health Maintenance and Animal Production

H: Use hoof testers

Sign-Offs:

Horse

Offered in Courses...

VMB 916/936/956 Health Maintenance and Animal Production

Health Maintenance and Animal Production

I: Chain shank, lip

Sign-Offs:

Horse

Offered in Courses...

VMB 916/936/956 Health Maintenance and Animal Production

J: Chain shank, nose

Sign-Offs:

Horse

Offered in Courses...

VMB 916/936/956 Health Maintenance and Animal Production

K: Skin Fold Twitch

Sign-Offs:

Horse

Offered in Courses...

VMB 916/936/956 Health Maintenance and Animal Production

L: Ear Twitch

Sign-Offs:

Horse

Offered in Courses...

VMB 916/936/956 Health Maintenance and Animal Production

Health Maintenance and Animal Production

M: Nose Twitch

Sign-Offs:

Horse

Offered in Courses...

VMB 916/936/956 Health Maintenance and Animal Production

N: Ocular exam (include PLR, menace, dazzle)

Sign-Offs:

Horse

Offered in Courses...

VMB 916/936/956 Health Maintenance and Animal Production

O: Complete physical exam, adult

Sign-Offs:

Horse

Offered in Courses...

VMB 916/936/956 Health Maintenance and Animal Production

P: Complete physical exam, foal

Sign-Offs:

Horse

Offered in Courses...

VMB 916/936/956 Health Maintenance and Animal Production

Health Maintenance and Animal Production

Q: Complete written PE form

Sign-Offs:

Horse

Offered in Courses...

VMB 916/936/956 Health Maintenance and Animal Production

R: Classify: mare, gelding, stallion, foal, yearling

Sign-Offs:

Horse

Offered in Courses...

VMB 916/936/956 Health Maintenance and Animal Production

T: Collect blood into vacutainer

Sign-Offs:

Horse

Offered in Courses...

VMB 916/936/956 Health Maintenance and Animal Production

U: Collect blood using needle and syringe

Sign-Offs:

Horse

Offered in Courses...

VMB 916/936/956 Health Maintenance and Animal Production

Health Maintenance and Animal Production

V: Administer SC injection

Sign-Offs:

Horse

Offered in Courses...

VMB 916/936/956 Health Maintenance and Animal Production

W: Administer IM injection

Sign-Offs:

Horse

Offered in Courses...

VMB 916/936/956 Health Maintenance and Animal Production

X: Administer IV injection

Sign-Offs:

Horse

Offered in Courses...

VMB 916/936/956 Health Maintenance and Animal Production

Y: Demo oral administration medicine

Sign-Offs:

Horse

Offered in Courses...

VMB 916/936/956 Health Maintenance and Animal Production

Health Maintenance and Animal Production

Z: Fill out Coggins form

Sign-Offs:

Horse

Offered in Courses...

VMB 916/936/956 Health Maintenance and Animal Production

ZA: Health certificate

Sign-Offs:

Horse

Offered in Courses...

VMB 916/936/956 Health Maintenance and Animal Production

ZB: Demo use hoof pick, hoof gauge, flexion tests

Sign-Offs:

Horse

Offered in Courses...

VMB 916/936/956 Health Maintenance and Animal Production

ZC: Lameness exam, include flexion tests

Sign-Offs:

Horse

Offered in Courses...

VMB 916/936/956 Health Maintenance and Animal Production

Health Maintenance and Animal Production

ZD: Neuro exam, include cranial nerve, movement

Sign-Offs:

Horse

Offered in Courses...

VMB 916/936/956 Health Maintenance and Animal Production

ZE: Pass nasogastric tube

Sign-Offs:

Horse

Offered in Courses...

VMB 916/936/956 Health Maintenance and Animal Production

TAU: Poultry: Chicken

1: Catch and restrain chicken

Sign-Offs:

Poultry

Offered in Courses...

VMB 916/936/956 Health Maintenance and Animal Production

2: Basic physical exam chicken

Sign-Offs:

Poultry

Offered in Courses...

VMB 916/936/956 Health Maintenance and Animal Production

3: Evaluate general health status chicken flock

Sign-Offs:

Poultry

Offered in Courses...

VMB 916/936/956 Health Maintenance and Animal Production

4: Collect wing vein blood sample chicken

Sign-Offs:

Poultry

Offered in Courses...

VMB 916/936/956 Health Maintenance and Animal Production

5: Perform choanal swab chicken

Sign-Offs:

Poultry

Offered in Courses...

VMB 916/936/956 Health Maintenance and Animal Production

6: Perform cloacal swab chicken

Sign-Offs:

Poultry

Offered in Courses...

VMB 916/936/956 Health Maintenance and Animal Production

TAU: Poultry: Turkey

1: Catch and restrain turkey

Sign-Offs:

Poultry

Offered in Courses...

VMB 916/936/956 Health Maintenance and Animal Production

2: Basic physical exam turkey

Sign-Offs:

Poultry

Offered in Courses...

VMB 916/936/956 Health Maintenance and Animal Production

3: Evaluate general health status turkey flock

Sign-Offs:

Poultry

Offered in Courses...

VMB 916/936/956 Health Maintenance and Animal Production

4: Collect wing vein blood sample turkey

Sign-Offs:

Poultry

Offered in Courses...

VMB 916/936/956 Health Maintenance and Animal Production

5: Perform cloacal swab turkey

Sign-Offs:

Poultry

Offered in Courses...

VMB 916/936/956 Health Maintenance and Animal Production

6: Perform IM injection turkey

Sign-Offs:

Poultry

Offered in Courses...

VMB 916/936/956 Health Maintenance and Animal Production

7: Perform SC injection turkey

Sign-Offs:

Poultry

Offered in Courses...

VMB 916/936/956 Health Maintenance and Animal Production

8: Perform tracheal swab turkey

Sign-Offs:

Poultry

Offered in Courses...

VMB 916/936/956 Health Maintenance and Animal Production

TAU: Small Ruminant

A: Restrain sheep or goat

Sign-Offs:

Small Ruminant

Offered in Courses...

VMB 916/936/956 Health Maintenance and Animal Production

B: Physical exam (TWO)

Sign-Offs:

Small Ruminant

Offered in Courses...

VMB 916/936/956 Health Maintenance and Animal Production

C: ID landmarks: jugular, lung, rumen

Sign-Offs:

Small Ruminant

Offered in Courses...

VMB 916/936/956 Health Maintenance and Animal Production

D: Determine age

Sign-Offs:

Small Ruminant

Offered in Courses...

VMB 916/936/956 Health Maintenance and Animal Production

E: Blood collection, jugular

Sign-Offs:

Small Ruminant

Offered in Courses...

VMB 916/936/956 Health Maintenance and Animal Production

F: Use FAMACHA system for parasite control

Sign-Offs:

Small Ruminant

Offered in Courses...

VMB 916/936/956 Health Maintenance and Animal Production

G: Nerve block and disbud goat

Sign-Offs:

Small Ruminant

Offered in Courses...

VMB 916/936/956 Health Maintenance and Animal Production

H: Demo 2 processing procedures lambs/kids

Sign-Offs:

Small Ruminant

Offered in Courses...

VMB 916/936/956 Health Maintenance and Animal Production

Health Maintenance and Animal Production

I: Body condition score

Sign-Offs:

Small Ruminant

Offered in Courses...

VMB 916/936/956 Health Maintenance and Animal Production

J: ID IM inject sites and inject

Sign-Offs:

Small Ruminant

Offered in Courses...

VMB 916/936/956 Health Maintenance and Animal Production

K: ID SC inject sites and inject

Sign-Offs:

Small Ruminant

Offered in Courses...

VMB 916/936/956 Health Maintenance and Animal Production

L: Animal ID methods: small ruminants

Sign-Offs:

Small Ruminant

Offered in Courses...

VMB 916/936/956 Health Maintenance and Animal Production

Health Maintenance and Animal Production

M: Adminster oral medication

Sign-Offs:

Small Ruminant

Offered in Courses...

VMB 916/936/956 Health Maintenance and Animal Production

N: Vaccinate

Sign-Offs:

Small Ruminant

Offered in Courses...

VMB 916/936/956 Health Maintenance and Animal Production

O: Perform foot trim

Sign-Offs:

Small Ruminant

Offered in Courses...

VMB 916/936/956 Health Maintenance and Animal Production

P: Perform ultrasound pregnancy dx

Sign-Offs:

Small Ruminant

Offered in Courses...

VMB 916/936/956 Health Maintenance and Animal Production

Q: Interpret ultrasound finding

Sign-Offs:

Small Ruminant

Offered in Courses...

VMB 916/936/956 Health Maintenance and Animal Production

TAU: Swine

A: Calculate total pigs born, # born alive

Sign-Offs:

Pig

Offered in Courses...

VMB 916/936/956 Health Maintenance and Animal Production

B: Calculate % piglets liveborn

Sign-Offs:

Pig

Offered in Courses...

VMB 916/936/956 Health Maintenance and Animal Production

C: Calculate total # pigs weaned

Sign-Offs:

Pig

Offered in Courses...

VMB 916/936/956 Health Maintenance and Animal Production

D: Calculate % preweaning mortality for farrow grp

Sign-Offs:

Pig

Offered in Courses...

VMB 916/936/956 Health Maintenance and Animal Production

Health Maintenance and Animal Production

E: Count # pigs now alive in nursery

Sign-Offs:

Pig

Offered in Courses...

VMB 916/936/956 Health Maintenance and Animal Production

F: Calculate current % nursery mortality

Sign-Offs:

Pig

Offered in Courses...

VMB 916/936/956 Health Maintenance and Animal Production

G: Calculate morbidity, mortality rate

Sign-Offs:

Pig

Offered in Courses...

VMB 916/936/956 Health Maintenance and Animal Production

H: ID which TAU pig unit houses which age pig

Sign-Offs:

Pig

Offered in Courses...

VMB 916/936/956 Health Maintenance and Animal Production

Health Maintenance and Animal Production

I: Move nursery/finisher pigs between pens or sort

Sign-Offs:

Pig

Offered in Courses...

VMB 916/936/956 Health Maintenance and Animal Production

J: Restrain suckling, nursery, finisher pigs

Sign-Offs:

Pig

Offered in Courses...

VMB 916/936/956 Health Maintenance and Animal Production

K: Collect sow and piglet data

Sign-Offs:

Pig

Offered in Courses...

VMB 916/936/956 Health Maintenance and Animal Production

L: ID major ingredients, pig rations

Sign-Offs:

Pig

Offered in Courses...

VMB 916/936/956 Health Maintenance and Animal Production

Health Maintenance and Animal Production

M: Recognize if feeding behavior normal/abnormal

Sign-Offs:

Pig

Offered in Courses...

VMB 916/936/956 Health Maintenance and Animal Production

N: ID signs of estrus, female pig

Sign-Offs:

Pig

Offered in Courses...

VMB 916/936/956 Health Maintenance and Animal Production

O: Perform pregnancy dx, use different methods

Sign-Offs:

Pig

Offered in Courses...

VMB 916/936/956 Health Maintenance and Animal Production

P: Physical exams: individual, group of pigs

Sign-Offs:

Pig

Offered in Courses...

VMB 916/936/956 Health Maintenance and Animal Production

Health Maintenance and Animal Production

Q: Collect blood nursery and/or finisher pigs

Sign-Offs:

Pig

Offered in Courses...

VMB 916/936/956 Health Maintenance and Animal Production

R: ID ileum, spiral colon, lung lobes, lymph nodes

Sign-Offs:

Pig

Offered in Courses...

VMB 916/936/956 Health Maintenance and Animal Production

S: ID region of stomach prone to ulcers

Sign-Offs:

Pig

Offered in Courses...

VMB 916/936/956 Health Maintenance and Animal Production

T: Select pigs for diagnostic testing

Sign-Offs:

Pig

Offered in Courses...

VMB 916/936/956 Health Maintenance and Animal Production

VMB 916/936/956

Health Maintenance and Animal Production

U: ID tonsils, turbinates

Sign-Offs:

Pig

Offered in Courses...

VMB 916/936/956 Health Maintenance and Animal Production

VMB 913/923

Physiology

Anesthesia/Analgesia: Techniques

Place ECG

Sign-Offs:

Any species

Offered in Courses...

VMB 913/923 Physiology

Clinics Fourth Year clinics

Physical exam: CV

Take EKG, name parts

Sign-Offs:

Small Animal

Offered in Courses...

VMB 913/923 Physiology

VMC 927
Intro to Animal Behavior

Medicine: Case Management

Evaluate and suggest rx common behavior problem

Sign-Offs:

Any species

Offered in Courses...

VMC 927

Intro to Animal Behavior

Clinics

Fourth Year clinics

VMC 927
Intro to Animal Behavior

Restraint/Husbandry

Counsel owner behavioral/socialization needs LA

Sign-Offs:

Large Animal

Offered in Courses...

VMC 927

Intro to Animal Behavior

Counsel owner behavioral/socialization needs SA

Sign-Offs:

Small Animal

Offered in Courses...

VMC 927

Intro to Animal Behavior

Counsel owner pet/animal selection

Sign-Offs:

Any species

Offered in Courses...

VMC 927

Intro to Animal Behavior

Observe, state if behavior normal/abnormal

Sign-Offs:

Any species

Large Animal

Small Animal

<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>

Offered in Courses...

VMC 927

Intro to Animal Behavior

Clinics

Fourth Year clinics

VMP 914
Evidence Based Medicine

Communications/ Ethics

Be team member, passing grade team skills

Sign-Offs:

N/A

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Offered in Courses...

VMP 914	Evidence Based Medicine
VMC 932	Principles of Surgery
Clinics	Fourth Year clinics

VMB 933/943
Pharmacology and Therapeutics

Medicine: Techniques

Choose and calculate drug dosage

Sign-Offs:

Any species

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Offered in Courses...

VMB 933/943	Pharmacology and Therapeutics
VMB 954	Veterinary Toxicology & Poisonous Plants
Clinics	Fourth Year clinics

Write outpatient prescription

Sign-Offs:

Any species

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Offered in Courses...

VMB 933/943	Pharmacology and Therapeutics
VMB 954	Veterinary Toxicology & Poisonous Plants
Clinics	Fourth Year clinics

VMC 932
Principles of Surgery

Anesthesia/Analgesia: General

Perform anesthesia small animal

Sign-Offs:

Small Animal

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Offered in Courses...

VMC 932

Principles of Surgery

Anesthesia/Analgesia: Machines

Identify parts anesthesia machine

Sign-Offs:

N/A

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Offered in Courses...

VMC 932

Principles of Surgery

Clinics

Fourth Year clinics

Put together circle system

Sign-Offs:

N/A

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Offered in Courses...

VMC 932

Principles of Surgery

VMC 932
Principles of Surgery

Anesthesia/Analgesia: Techniques

Demonstrate pain scoring

Sign-Offs:

Any species

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Offered in Courses...

VMC 932

Principles of Surgery

Clinics

Fourth Year clinics

Intubate animal

Sign-Offs:

Small Animal

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Offered in Courses...

VMC 932

Principles of Surgery

VMC 957

Intro to Clinical Practice

Clinics

Fourth Year clinics

Perform local block

Sign-Offs:

Any species

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Offered in Courses...

VMC 932

Principles of Surgery

Clinics

Fourth Year clinics

VMC 932
Principles of Surgery

Place BP monitor

Sign-Offs:

Any species

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Offered in Courses...

VMC 932	Principles of Surgery
VMC 937S/953	Intro PE Skills (S)/ Lab Animal Spec Species
Clinics	Fourth Year clinics

Place IV catheter small animal

Sign-Offs:

Small Animal

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Offered in Courses...

VMC 932	Principles of Surgery
VMC 957	Intro to Clinical Practice
Clinics	Fourth Year clinics

Place pulse ox unit

Sign-Offs:

Any species

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Offered in Courses...

VMC 932	Principles of Surgery
VMC 957	Intro to Clinical Practice
Clinics	Fourth Year clinics

VMC 932
Principles of Surgery

Clinical Pathology

Perform ELISA Test

Sign-Offs:

Any species

--

Offered in Courses...

VMC 932	Principles of Surgery
VMC 970	Community Classroom

VMC 932
Principles of Surgery

Medicine: Techniques

Administer controlled drugs, do record keeping

Sign-Offs:

Any species

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Offered in Courses...

VMC 932	Principles of Surgery
VMC 957	Intro to Clinical Practice
Clinics	Fourth Year clinics

Calculate and administer IV fluids

Sign-Offs:

Any species

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Offered in Courses...

VMC 932	Principles of Surgery
VMC 957	Intro to Clinical Practice
Clinics	Fourth Year clinics

Demo IM medication administration

Sign-Offs:

Any species	<table border="1" style="width: 100%; height: 20px;"><tr><td></td></tr></table>	
Small Animal	<table border="1" style="width: 100%; height: 20px;"><tr><td></td></tr></table>	

Offered in Courses...

VMC 932	Principles of Surgery
Clinics	Fourth Year clinics

VMC 932
Principles of Surgery

Demo IV medication administration

Sign-Offs:

Any species	<table border="1" style="width: 100%; height: 20px;"><tr><td></td></tr></table>	
Small Animal	<table border="1" style="width: 100%; height: 20px;"><tr><td></td></tr></table>	

Offered in Courses...

VMC 932	Principles of Surgery
VMC 937F	Intro Physical Exam Skills (Fall)
VMC 957	Intro to Clinical Practice
Clinics	Fourth Year clinics

Demo oral admin medicine (tablet, dose syringe)

Sign-Offs:

Any species	<table border="1" style="width: 100%; height: 20px;"><tr><td></td></tr></table>	
Dog	<table border="1" style="width: 100%; height: 20px;"><tr><td></td></tr></table>	

Offered in Courses...

VMC 932	Principles of Surgery
VMC 937F	Intro Physical Exam Skills (Fall)
Clinics	Fourth Year clinics

Demo SC medication administration

Sign-Offs:

Any species	<table border="1" style="width: 100%; height: 20px;"><tr><td></td></tr></table>	
Small Animal	<table border="1" style="width: 100%; height: 20px;"><tr><td></td></tr></table>	

Offered in Courses...

VMC 932	Principles of Surgery
VMC 937F	Intro Physical Exam Skills (Fall)
Clinics	Fourth Year clinics

VMC 932
Principles of Surgery

Obtain blood sample

Sign-Offs:

Any species

Dog

Offered in Courses...

VMC 932

Principles of Surgery

Obtain cystocentesis

Sign-Offs:

Small Animal

Offered in Courses...

VMC 932

Principles of Surgery

Surgery: Bandages

Wet to Dry bandage

Sign-Offs:

Any species

Offered in Courses...

VMC 932

Principles of Surgery

VMC 932
Principles of Surgery

Surgery: Knots

Demo friction knot

Sign-Offs:

N/A

Offered in Courses...

VMC 932

Principles of Surgery

Demo instrument tie

Sign-Offs:

N/A

Offered in Courses...

VMC 932

Principles of Surgery

Demo square knot

Sign-Offs:

N/A

Offered in Courses...

VMC 932

Principles of Surgery

Demo two hand tie

Sign-Offs:

N/A

Offered in Courses...

VMC 932

Principles of Surgery

VMC 932
Principles of Surgery

Surgery: Procedures

A: Ovariohysterectomy

Sign-Offs:

Dog

Offered in Courses...

VMC 932 Principles of Surgery

B: Castration

Sign-Offs:

Dog

Offered in Courses...

VMC 932 Principles of Surgery

List surgery as primary surgeon 1

Sign-Offs:

Any species

Offered in Courses...

VMC 932 Principles of Surgery
Clinics Fourth Year clinics

List surgery as primary surgeon 2

Sign-Offs:

Any species

Offered in Courses...

VMC 932 Principles of Surgery
Clinics Fourth Year clinics

VMC 932
Principles of Surgery

List surgery as primary surgeon 3

Sign-Offs:

Any species

Offered in Courses...

VMC 932 Principles of Surgery
Clinics Fourth Year clinics

List surgery as primary surgeon 4

Sign-Offs:

Any species

Offered in Courses...

VMC 932 Principles of Surgery
Clinics Fourth Year clinics

List surgery as primary surgeon 5

Sign-Offs:

Any species

Offered in Courses...

VMC 932 Principles of Surgery
Clinics Fourth Year clinics

List surgery as primary surgeon 6

Sign-Offs:

Any species

Offered in Courses...

VMC 932 Principles of Surgery
Clinics Fourth Year clinics

VMC 932
Principles of Surgery

Surgery: Techniques

Demo drain placement

Sign-Offs:

Any species

Offered in Courses...

VMC 932

Principles of Surgery

Demo pack prep

Sign-Offs:

N/A

Offered in Courses...

VMC 932

Principles of Surgery

Demo patient prep

Sign-Offs:

N/A

Offered in Courses...

VMC 932

Principles of Surgery

Demo pencil grip

Sign-Offs:

N/A

Offered in Courses...

VMC 932

Principles of Surgery

VMC 932
Principles of Surgery

Demo simple continuous

Sign-Offs:

N/A

Offered in Courses...

VMC 932

Principles of Surgery

Demo simple interrupted

Sign-Offs:

N/A

Offered in Courses...

VMC 932

Principles of Surgery

Demo stents, mattress sutures

Sign-Offs:

N/A

Offered in Courses...

VMC 932

Principles of Surgery

Demo sterile technique

Sign-Offs:

N/A

Offered in Courses...

VMC 932

Principles of Surgery

VMC 932
Principles of Surgery

Demo suture cutting

Sign-Offs:

N/A

Offered in Courses...

VMC 932

Principles of Surgery

Demo three point grip

Sign-Offs:

N/A

Offered in Courses...

VMC 932

Principles of Surgery

Demo wound closure

Sign-Offs:

Any species

Offered in Courses...

VMC 932

Principles of Surgery

VMC 937F
Intro Physical Exam Skills (Fall)

Medicine: Techniques

Obtain catheterized urine sample

Sign-Offs:

Any species

Offered in Courses...

VMC 937F

Intro Physical Exam Skills (Fall)

Physical Exam: A General Exam

Do body condition score Dog

Sign-Offs:

Dog

Offered in Courses...

VMC 937F

Intro Physical Exam Skills (Fall)

General physical exam

Sign-Offs:

Dog

Offered in Courses...

VMC 937F

Intro Physical Exam Skills (Fall)

TPR, perform and know normal

Sign-Offs:

Dog

Offered in Courses...

VMC 937F

Intro Physical Exam Skills (Fall)

VMC 937F
Intro Physical Exam Skills (Fall)

Physical exam: CV

ID heart sounds

Sign-Offs:

Small Animal

Offered in Courses...

VMC 937F

Intro Physical Exam Skills (Fall)

ID sites of obtain pulses

Sign-Offs:

Small Animal

Offered in Courses...

VMC 937F

Intro Physical Exam Skills (Fall)

Physical exam: Onco

ID palpable peripheral lymph nodes

Sign-Offs:

Small Animal

Offered in Courses...

VMC 937F

Intro Physical Exam Skills (Fall)

VMC 937F
Intro Physical Exam Skills (Fall)

Physical exam: Ophtho

Fluorescein staining

Sign-Offs:

Any species

Offered in Courses...

VMC 937F

Intro Physical Exam Skills (Fall)

Ocular pressure measurement

Sign-Offs:

Small Animal

Offered in Courses...

VMC 937F

Intro Physical Exam Skills (Fall)

PLR, menace, dazzle reflex

Sign-Offs:

Small Animal

Offered in Courses...

VMC 937F

Intro Physical Exam Skills (Fall)

Schirmer tear test

Sign-Offs:

Any species

Offered in Courses...

VMC 937F

Intro Physical Exam Skills (Fall)

VMC 937F
Intro Physical Exam Skills (Fall)

Use direct/indirect ophthalmoscope

Sign-Offs:

Small Animal

Offered in Courses...

VMC 937F Intro Physical Exam Skills (Fall)

Restraint/Husbandry

Safely catch and restrain

Sign-Offs:

Dog

Offered in Courses...

VMC 937F Intro Physical Exam Skills (Fall)

VMC 937S/953
Intro PE Skills (S)/ Lab Animal Spec Species

Anesthesia/Analgesia: General

SS Design surgical anesthesia/analgesia regime

Sign-Offs:

Amph/Reptile

Offered in Courses...

VMC 937S/953 Intro PE Skills (S)/ Lab Animal Spec Species

SS Perform anesthesia

Sign-Offs:

Amph/Reptile

Amph/Reptile

Small Mammal

Offered in Courses...

VMC 937S/953 Intro PE Skills (S)/ Lab Animal Spec Species

Anesthesia/Analgesia: Techniques

SS Intubate or assist

Sign-Offs:

Amph/Reptile

Bird

Offered in Courses...

VMC 937S/953 Intro PE Skills (S)/ Lab Animal Spec Species

VMC 937S/953

Intro PE Skills (S)/ Lab Animal Spec Species

Medicine: Case Management

SS1 Define chief complaint and problem list

Sign-Offs:

Spec species

Offered in Courses...

VMC 937S/953 Intro PE Skills (S)/ Lab Animal Spec Species

SS2 Create differential diagnosis list

Sign-Offs:

Spec species

Offered in Courses...

VMC 937S/953 Intro PE Skills (S)/ Lab Animal Spec Species

SS3 Choose appropriate diagnostic tests

Sign-Offs:

Spec species

Offered in Courses...

VMC 937S/953 Intro PE Skills (S)/ Lab Animal Spec Species

VMC 937S/953

Intro PE Skills (S)/ Lab Animal Spec Species

Medicine: Techniques

SS Choose and calculate drug dosage

Sign-Offs:

Amph/Reptile

Bird

Small Mammal

Offered in Courses...

VMC 937S/953 Intro PE Skills (S)/ Lab Animal Spec Species

SS Cloacal Culture

Sign-Offs:

Bird

Offered in Courses...

VMC 937S/953 Intro PE Skills (S)/ Lab Animal Spec Species

SS Demo IM medication administration

Sign-Offs:

Amph/Reptile

Bird

Small Mammal

Offered in Courses...

VMC 937S/953 Intro PE Skills (S)/ Lab Animal Spec Species

VMC 937S/953

Intro PE Skills (S)/ Lab Animal Spec Species

SS Demo IV fluid administration

Sign-Offs:

Small Mammal

Offered in Courses...

VMC 937S/953 Intro PE Skills (S)/ Lab Animal Spec Species

SS Demo oral admin medicine (tablet, dose syringe)

Sign-Offs:

Amph/Reptile
Bird
Small Mammal

Offered in Courses...

VMC 937S/953 Intro PE Skills (S)/ Lab Animal Spec Species

SS Demo SC medication administration

Sign-Offs:

Amph/Reptile
Bird
Small Mammal

Offered in Courses...

VMC 937S/953 Intro PE Skills (S)/ Lab Animal Spec Species

VMC 937S/953

Intro PE Skills (S)/ Lab Animal Spec Species

SS Obtain blood sample

Sign-Offs:

Amph/Reptile
Bird
Small Mammal

Offered in Courses...

VMC 937S/953 Intro PE Skills (S)/ Lab Animal Spec Species

SS1 Place IV or IO catheter

Sign-Offs:

Amph/Reptile
Bird

Offered in Courses...

VMC 937S/953 Intro PE Skills (S)/ Lab Animal Spec Species

SS2 Calculate appropriate fluid amount

Sign-Offs:

Amph/Reptile
Bird

Offered in Courses...

VMC 937S/953 Intro PE Skills (S)/ Lab Animal Spec Species

VMC 937S/953

Intro PE Skills (S)/ Lab Animal Spec Species

Necropsy

SS Perform necropsy

Sign-Offs:

Spec species

Offered in Courses...

VMC 937S/953 Intro PE Skills (S)/ Lab Animal Spec Species

Physical Exam: A General Exam

SS General physical exam

Sign-Offs:

Amph/Reptile	<input type="checkbox"/>	
Bird	<input type="checkbox"/>	
Small Mammal	<input type="checkbox"/>	<input type="checkbox"/>

Offered in Courses...

VMC 937S/953 Intro PE Skills (S)/ Lab Animal Spec Species

SS TPR, perform and know normal

Sign-Offs:

Small Mammal

Offered in Courses...

VMC 937S/953 Intro PE Skills (S)/ Lab Animal Spec Species

VMC 937S/953

Intro PE Skills (S)/ Lab Animal Spec Species

Restraint/Husbandry

Educate selection/husbandry/biological requirement

Sign-Offs:

Spec species

Offered in Courses...

VMC 937S/953 Intro PE Skills (S)/ Lab Animal Spec Species

Operate projectile drug delivery device

Sign-Offs:

N/A

Offered in Courses...

VMC 937S/953 Intro PE Skills (S)/ Lab Animal Spec Species

SS Safely catch and restrain

Sign-Offs:

Amph/Reptile	<input type="checkbox"/>	
Bird	<input type="checkbox"/>	
Small Mammal	<input type="checkbox"/>	<input type="checkbox"/>

Offered in Courses...

VMC 937S/953 Intro PE Skills (S)/ Lab Animal Spec Species

VMP 932
Parasitology

Clinical Pathology

Examine fecal sample for parasites

Sign-Offs:

Any species

Offered in Courses...

VMP 932

Parasitology

Medicine: Techniques

Collect fecal sample

Sign-Offs:

Any species

Offered in Courses...

VMP 932

Parasitology

VMP 945/958
Epi, Public Health, Emerging Exotic Disease

Public Health

Articulate roles of public health/regulatory vet

Sign-Offs:

N/A

Offered in Courses...

VMP 945/958

Epi, Public Health, Emerging Exotic Disease

Create prevention/disease control plan

Sign-Offs:

Population

Offered in Courses...

VMP 945/958

Epi, Public Health, Emerging Exotic Disease

Demonstrate proficiency in outbreak investigation

Sign-Offs:

N/A

Offered in Courses...

VMP 945/958

Epi, Public Health, Emerging Exotic Disease

Educate lay person 5 diseases transmitted by food

Sign-Offs:

N/A

Offered in Courses...

VMP 945/958

Epi, Public Health, Emerging Exotic Disease

VMP 945/958

Epi, Public Health, Emerging Exotic Disease

Educate lay person 5 zoonotic diseases

Sign-Offs:

N/A

Offered in Courses...

VMP 945/958

Epi, Public Health, Emerging Exotic Disease

VMP 942

Clinical Pathology

Clinical Pathology

Process blood sample: blood smear, separate serum

Sign-Offs:

Any species

Offered in Courses...

VMP 942

Clinical Pathology

Process blood sample: count cells, platelets

Sign-Offs:

Any species

Offered in Courses...

VMP 942

Clinical Pathology

Process blood sample: PCV, TS, glucose, Azostick

Sign-Offs:

Any species

Offered in Courses...

VMP 942

Clinical Pathology

Process urine sample: dipstick, SG, cytology

Sign-Offs:

Any species

Offered in Courses...

VMP 942

Clinical Pathology

VMC 951
Comp Animal Med and Surg

Physical exam: Onco

Do fine needle aspirate

Sign-Offs:

Any species

Offered in Courses...

VMC 951

Comp Animal Med and Surg

Clinics

Fourth Year clinics

VMC 952
Equine Medicine and Surgery

Restraint/Husbandry

Counsel owner biological needs Large Animal

Sign-Offs:

Large Animal

Offered in Courses...

VMC 952

Equine Medicine and Surgery

Extramural

Extramural Studies

Counsel owner core vaccines Large Animal

Sign-Offs:

Large Animal

Offered in Courses...

VMC 952

Equine Medicine and Surgery

Extramural

Extramural Studies

Counsel owner parasite control Large Animal

Sign-Offs:

Large Animal

Offered in Courses...

VMC 952

Equine Medicine and Surgery

VMC 957
Intro to Clinical Practice

Anesthesia/Analgesia: Machines

Put together non-rebreathing system

Sign-Offs:

N/A

Offered in Courses...

VMC 957 Intro to Clinical Practice

Anesthesia/Analgesia: Techniques

Intubate Cat

Sign-Offs:

Cat

Offered in Courses...

VMC 957 Intro to Clinical Practice

VMC 957
Intro to Clinical Practice

Emergency/ICU

Abdominocentesis

Sign-Offs:

Small Animal

Offered in Courses...

VMC 957 Intro to Clinical Practice

Calculate and administer nasal oxygen

Sign-Offs:

Any species

Offered in Courses...

VMC 957 Intro to Clinical Practice

Demo technique emergency venous access

Sign-Offs:

Any species

Offered in Courses...

VMC 957 Intro to Clinical Practice

Thoracocentesis

Sign-Offs:

Small Animal

Offered in Courses...

VMC 957 Intro to Clinical Practice

VMC 957
Intro to Clinical Practice

Medicine: Techniques

Demo oral admin medicine Cat

Sign-Offs:

Cat

Offered in Courses...

VMC 957

Intro to Clinical Practice

Obtain blood sample Cat

Sign-Offs:

Cat

Offered in Courses...

VMC 957

Intro to Clinical Practice

VMC 957
Intro to Clinical Practice

Physical Exam: A General Exam

Do body condition score Cat

Sign-Offs:

Cat

Offered in Courses...

VMC 957

Intro to Clinical Practice

General physical exam Cat

Sign-Offs:

Cat

Offered in Courses...

VMC 957

Intro to Clinical Practice

TPR, perform and know normal Cat

Sign-Offs:

Cat

Offered in Courses...

VMC 957

Intro to Clinical Practice

Restraint/Husbandry

Safely catch and restrain Cat

Sign-Offs:

Cat

Offered in Courses...

VMC 957

Intro to Clinical Practice

VMC 957
Intro to Clinical Practice

Surgery: Procedures

Castration Cat

Sign-Offs:

Cat

Offered in Courses...

VMC 957

Intro to Clinical Practice

Ovariohysterectomy Cat

Sign-Offs:

Cat

Offered in Courses...

VMC 957

Intro to Clinical Practice

VMC 961
Companion Animal Medicine and Surgery II

Physical exam: Neuro

Bladder palpate/express

Sign-Offs:

Small Animal

Offered in Courses...

VMC 961

Companion Animal Medicine and Surgery II

Deep pain, conscious proprio, hopping

Sign-Offs:

Small Animal

Offered in Courses...

VMC 961

Companion Animal Medicine and Surgery II

Menace, PLR, palpebral reflex

Sign-Offs:

Small Animal

Offered in Courses...

VMC 961

Companion Animal Medicine and Surgery II

Patellar, withdrawal, panniculus reflex

Sign-Offs:

Small Animal

Offered in Courses...

VMC 961

Companion Animal Medicine and Surgery II

VMC 961

Companion Animal Medicine and Surgery II

Physical exam: Ortho

Measure limb circumference

Sign-Offs:

Small Animal

Offered in Courses...

VMC 961

Companion Animal Medicine and Surgery II

Palpate and name major joints

Sign-Offs:

Small Animal

Offered in Courses...

VMC 961

Companion Animal Medicine and Surgery II

Recognize normal/abnormal joint angle

Sign-Offs:

Small Animal

Offered in Courses...

VMC 961

Companion Animal Medicine and Surgery II

Use goniometer

Sign-Offs:

Small Animal

Offered in Courses...

VMC 961

Companion Animal Medicine and Surgery II

VMC 961

Companion Animal Medicine and Surgery II

Surgery: Bandages

Distal limb splint

Sign-Offs:

Small Animal

Offered in Courses...

VMC 961

Companion Animal Medicine and Surgery II

Full cylinder cast

Sign-Offs:

Small Animal

Offered in Courses...

VMC 961

Companion Animal Medicine and Surgery II

Robert Jones

Sign-Offs:

Small Animal

Offered in Courses...

VMC 961

Companion Animal Medicine and Surgery II

Support bandage

Sign-Offs:

Small Animal

Offered in Courses...

VMC 961

Companion Animal Medicine and Surgery II

VMC 965
Advanced Principles of Surgery

Dentistry

1 Dental exam, chart lesions

Sign-Offs:

Small Animal

Offered in Courses...

VMC 965

Advanced Principles of Surgery

2 Tooth extraction

Sign-Offs:

Small Animal

Offered in Courses...

VMC 965

Advanced Principles of Surgery

3 Dental cleaning

Sign-Offs:

Small Animal

Offered in Courses...

VMC 965

Advanced Principles of Surgery

Emergency/ICU

Tracheostomy

Sign-Offs:

Any species

Offered in Courses...

VMC 965

Advanced Principles of Surgery

VMC 965
Advanced Principles of Surgery

Surgery: Bandages

Emergency limb bandage

Sign-Offs:

Horse

Offered in Courses...

VMC 965

Advanced Principles of Surgery

Surgery: Knots

Perform one hand surgical tie

Sign-Offs:

N/A

Offered in Courses...

VMC 965

Advanced Principles of Surgery

Perform two hand surgical tie

Sign-Offs:

N/A

Offered in Courses...

VMC 965

Advanced Principles of Surgery

VMC 965
Advanced Principles of Surgery

Surgery: Techniques

Demo Connell suture pattern

Sign-Offs:

N/A

Offered in Courses...

VMC 965

Advanced Principles of Surgery

Demo Cushing suture pattern

Sign-Offs:

N/A

Offered in Courses...

VMC 965

Advanced Principles of Surgery

Demo Ford interlocking pattern

Sign-Offs:

N/A

Offered in Courses...

VMC 965

Advanced Principles of Surgery

Demo horiz mattress suture pattern

Sign-Offs:

N/A

Offered in Courses...

VMC 965

Advanced Principles of Surgery

VMC 965
Advanced Principles of Surgery

Demo Lembert suture pattern

Sign-Offs:

N/A

Offered in Courses...

VMC 965

Advanced Principles of Surgery

Demo vert mattress suture pattern

Sign-Offs:

N/A

Offered in Courses...

VMC 965

Advanced Principles of Surgery

VMP 951
Theriogenology

Physical exam: Repro

Conduct pregnancy exam

Sign-Offs:

Cow	<input type="checkbox"/>
Dog	<input type="checkbox"/>
Horse	<input type="checkbox"/>

Offered in Courses...

VMP 951 Theriogenology

Describe malpresentation, correct, place chains

Sign-Offs:

Large Animal	<input type="checkbox"/>
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Offered in Courses...

VMP 951 Theriogenology

Examine external genitalia female

Sign-Offs:

Cow	<input type="checkbox"/>
Dog	<input type="checkbox"/>
Horse	<input type="checkbox"/>

Offered in Courses...

VMP 951 Theriogenology

VMP 951
Theriogenology

Examine external genitalia male

Sign-Offs:

Cow	<input type="checkbox"/>
Dog	<input type="checkbox"/>
Horse	<input type="checkbox"/>

Offered in Courses...

VMP 951 Theriogenology

Obtain and interpret vaginal smear

Sign-Offs:

Dog	<input type="checkbox"/>
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Offered in Courses...

VMP 951 Theriogenology

Prepare and evaluate semen dog, cow or horse

Sign-Offs:

Any species	<input type="checkbox"/>
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Offered in Courses...

VMP 951 Theriogenology

VMP 951
Theriogenology

Restraint/Husbandry

Counsel owner normal reproduction

Sign-Offs:

Large Animal

Small Animal

Offered in Courses...

VMP 951 Theriogenology

Clinics Fourth Year clinics

VMC 962
Ethics, Animal Welfare, Social Responsibility

Anesthesia/Analgesia: Animal Welfare

Discuss humane handling enforcement

Sign-Offs:

Any species

Offered in Courses...

VMC 962 Ethics, Animal Welfare, Social Responsibility

Educate lay person welfare issue

Sign-Offs:

Any species

Offered in Courses...

VMC 962 Ethics, Animal Welfare, Social Responsibility

VMC 962
Ethics, Animal Welfare, Social Responsibility

Communications/ Ethics

Educate lay person ethics issue

Sign-Offs:

N/A

Offered in Courses...

VMC 962

Ethics, Animal Welfare, Social Responsibility

Presentation ethical issue

Sign-Offs:

N/A

Offered in Courses...

VMC 962

Ethics, Animal Welfare, Social Responsibility

Presentation legal/conflict issue

Sign-Offs:

N/A

Offered in Courses...

VMC 962

Ethics, Animal Welfare, Social Responsibility

Public Health

Complete credentialed responder training

Sign-Offs:

N/A

Offered in Courses...

VMC 962

Ethics, Animal Welfare, Social Responsibility

Wellness
Wellness Clinic

Medicine: Case Management

Obtain a complete history

Sign-Offs:

Any species

Offered in Courses...

Wellness

Wellness Clinic

Clinics

Fourth Year clinics

Medicine: Patient Type

5 days non-emergent medical primary care clinic

Sign-Offs:

N/A

Offered in Courses...

Wellness

Wellness Clinic

VMC 970

Community Classroom

Medicine: Techniques

Express anal sacs

Sign-Offs:

Dog

Offered in Courses...

Wellness

Wellness Clinic

Clinics

Fourth Year clinics

VMC 970

Community Classroom

Wellness
Wellness Clinic

Restraint/Husbandry

Counsel owner biological needs Small Animal

Sign-Offs:

Small Animal

Offered in Courses...

Wellness Wellness Clinic

Counsel owner core vaccines Small Animal

Sign-Offs:

Small Animal

Offered in Courses...

Wellness Wellness Clinic

Counsel owner parasite control Small Animal

Sign-Offs:

Small Animal

Offered in Courses...

Wellness Wellness Clinic

Clinics
Fourth Year clinics

Anesthesia/Analgesia: Animal Welfare

Participate euthanasia

Sign-Offs:

Any species

Offered in Courses...

Clinics Fourth Year clinics

Anesthesia/Analgesia: General

Design chronic analgesia regime

Sign-Offs:

Any species

Offered in Courses...

Clinics Fourth Year clinics

Design surgical anesthesia/analgesia regime

Sign-Offs:

Large Animal

Small Animal

Offered in Courses...

Clinics Fourth Year clinics

Perform anesthesia large animal

Sign-Offs:

Large Animal

Offered in Courses...

Clinics Fourth Year clinics

Clinics
Fourth Year clinics

Anesthesia/Analgesia: Techniques

Calculate constant rate infusion drug

Sign-Offs:

Any species

Offered in Courses...

Clinics

Fourth Year clinics

Perform epidural

Sign-Offs:

Any species

Offered in Courses...

Clinics

Fourth Year clinics

Place IV catheter large animal

Sign-Offs:

Large Animal

Offered in Courses...

Clinics

Fourth Year clinics

Communications/ Ethics

Participate grief counseling or detailed explain

Sign-Offs:

N/A

Offered in Courses...

Clinics

Fourth Year clinics

Clinics
Fourth Year clinics

Emergency/ICU

Demo CPR small animal

Sign-Offs:

Small Animal

Offered in Courses...

Clinics

Fourth Year clinics

Demo steps for hypovolemic/septic shock rx

Sign-Offs:

Any species

Offered in Courses...

Clinics

Fourth Year clinics

Demo use of CPR drugs, goals small animal

Sign-Offs:

Small Animal

Offered in Courses...

Clinics

Fourth Year clinics

Clinics
Fourth Year clinics

Medicine: Case Management

A: Obtain complete history

Sign-Offs:

Any species

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Offered in Courses...

Clinics

Fourth Year clinics

B: Define chief complaint/problem list

Sign-Offs:

Any species

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Offered in Courses...

Clinics

Fourth Year clinics

C: Create differential diagnosis list

Sign-Offs:

Any species

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Offered in Courses...

Clinics

Fourth Year clinics

D: Choose appropriate diagnostic tests

Sign-Offs:

Any species

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Offered in Courses...

Clinics

Fourth Year clinics

Clinics
Fourth Year clinics

E: Create problem-oriented medical record

Sign-Offs:

Any species

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Offered in Courses...

Clinics

Fourth Year clinics

F: Create treatment plan/daily treatment sheet

Sign-Offs:

Any species

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Offered in Courses...

Clinics

Fourth Year clinics

G: Organized oral summary of case for peers

Sign-Offs:

Any species

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Offered in Courses...

Clinics

Fourth Year clinics

H: Create laboratory flow sheet

Sign-Offs:

Any species

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Offered in Courses...

Clinics

Fourth Year clinics

Clinics
Fourth Year clinics

I: Follow patient through treatment

Sign-Offs:

Any species

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Offered in Courses...

Clinics

Fourth Year clinics

J: Discuss case progress with client

Sign-Offs:

Any species

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Offered in Courses...

Clinics

Fourth Year clinics

K: Provide 5 complete oral discharge instructions

Sign-Offs:

Any species

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Offered in Courses...

Clinics

Fourth Year clinics

L: Write discharge instructions

Sign-Offs:

Any species

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Offered in Courses...

Clinics

Fourth Year clinics

Clinics
Fourth Year clinics

M: Perform followup phone calls

Sign-Offs:

Any species

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Offered in Courses...

Clinics

Fourth Year clinics

Medicine: Patient Type

Help manage 5 medicine referral patients

Sign-Offs:

Any species

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Offered in Courses...

Clinics

Fourth Year clinics

Clinics
Fourth Year clinics

Necropsy

Collect biopsy sample 3 tissue types

Sign-Offs:

N/A

Offered in Courses...

Clinics

Fourth Year clinics

Collect sample microbiological testing

Sign-Offs:

N/A

Offered in Courses...

Clinics

Fourth Year clinics

Collect sample toxicologic testing

Sign-Offs:

N/A

Offered in Courses...

Clinics

Fourth Year clinics

Perform complete necropsy

Sign-Offs:

Mammal Species

Offered in Courses...

Clinics

Fourth Year clinics

Clinics
Fourth Year clinics

Physical exam: CV

Obtain blood pressure awake animal

Sign-Offs:

Small Animal

Offered in Courses...

Clinics

Fourth Year clinics

Clinics
Fourth Year clinics

Physical exam: Derm

1: General dermatologic exam

Sign-Offs:

Any species

Offered in Courses...

Clinics

Fourth Year clinics

2: Recognize primary, secondary lesions

Sign-Offs:

Any species

Offered in Courses...

Clinics

Fourth Year clinics

3: Otic exam, ID tympanic membrane

Sign-Offs:

Small Animal

Offered in Courses...

Clinics

Fourth Year clinics

4: Skin cytology, tape/swab/aspiration

Sign-Offs:

Any species

Offered in Courses...

Clinics

Fourth Year clinics

Clinics
Fourth Year clinics

5: Skin scraping, deep, superficial

Sign-Offs:

Any species

Offered in Courses...

Clinics

Fourth Year clinics

6: Otic cytology

Sign-Offs:

Any species

Offered in Courses...

Clinics

Fourth Year clinics

7: Collect samples for bacterial / fungal culture

Sign-Offs:

Any species

Offered in Courses...

Clinics

Fourth Year clinics

8: Woods lamp exam

Sign-Offs:

Any species

Offered in Courses...

Clinics

Fourth Year clinics

Clinics
Fourth Year clinics

9: Trichogram

Sign-Offs:

Any species

Offered in Courses...

Clinics

Fourth Year clinics

Public Health

Evaluate clinic environmental issues

Sign-Offs:

N/A

Offered in Courses...

Clinics

Fourth Year clinics

Evaluate production unit environmental issues

Sign-Offs:

N/A

Offered in Courses...

Clinics

Fourth Year clinics

Radiology

Position, create, process, interpret radiograph

Sign-Offs:

Any species

Offered in Courses...

Clinics

Fourth Year clinics

Clinics
Fourth Year clinics

Surgery: Procedures

Assist referral surgery

Sign-Offs:

Any species

Offered in Courses...

Clinics

Fourth Year clinics

Surgery: Techniques

Remove sutures or staples

Sign-Offs:

Any species

Offered in Courses...

Clinics

Fourth Year clinics

Advisor

See text/website for approved experiences

Research

Advisor sign-off on research experience

Sign-Offs:

N/A

Offered in Courses...

Advisor See text/website for approved experiences

Seminar

Diversity Seminar

Communications/ Ethics

Attend approved diversity program, 1/year

Sign-Offs:

N/A

Offered in Courses...

Seminar Diversity Seminar