

NDSU Externship Equipment and Procedures Guideline

Students who are entering the externship program are trained to work with the following equipment and have learned the skills listed. Please check the equipment you have in your clinic and the skills you expect the student to perform during the externship. A copy of this list will be returned to the student, to be used as a procedures guideline during the externship. The second check blank is to be filled out as the student accomplishes the skill or uses the equipment.

Equipment

Laboratory

- ___ ___ Microscope
- ___ ___ Microhematocrit centrifuge
- ___ ___ Hematology analyzer
- ___ ___ Chemistry analyzer
- ___ ___ Refractometer
- ___ ___ Hemacytometer
- ___ ___ Centrifuge

Radiographic

- ___ ___ Stationary radiographic machine
- ___ ___ Mobile radiographic machine
- ___ ___ Leaded gloves, aprons
- ___ ___ Film badges
- ___ ___ Ultrasound

Surgical & Anesthesia

- ___ ___ Gas Anesthesia Machine
- _____ (type)
- ___ ___ Pulse Oximeter
- ___ ___ Dental Scaler

Skills List

Laboratory techniques

- ___ ___ CBCs
- ___ ___ collection of laboratory samples:
 - ___ ___ blood collection large animals
 - ___ ___ blood collection small animals
 - ___ ___ feces
 - ___ ___ urine
- ___ ___ fecal exams for parasites
- ___ ___ microbiology:
 - ___ ___ gram stains
 - ___ ___ cultures and sensitivities
- ___ ___ semen analysis:
 - ___ ___ assist in collection
 - ___ ___ perform analyses
- ___ ___ serology test kits (heartworm, FeLV, etc.)
- ___ ___ serum chemistries
- ___ ___ skin scrapings
- ___ ___ urinalyses
- ___ ___ vaginal smears:
 - ___ ___ collect and prepare specimen
 - ___ ___ analyze specimen
- ___ ___ miscellaneous: _____
- ___ ___ “ _____

Radiographic Techniques

- ___ ___ position patient
- ___ ___ contrast technique
- ___ ___ take and develop radiographs

Surgical Nursing & Anesthesia Techniques

- ___ ___ prepare surgical packs & autoclave
- ___ ___ prepare animals for surgery
- ___ ___ induce
- ___ ___ anesthetize
- ___ ___ intubate
- ___ ___ monitor
- ___ ___ maintain with inhalant machine
- ___ ___ assist in surgery
- ___ ___ supervise animal recovery
- ___ ___ suture skin
- ___ ___ dental prophylaxis

Clinical techniques

- _____ administer enemas
- _____ administer oral medication:
 - _____ liquid
 - _____ solid
- _____ bandaging
- _____ bladder catheterization
- _____ ear cleaning
- _____ ophthalmic medication
- _____ injections - large animals:
 - _____ IM
 - _____ IV
 - _____ Sub Q
- _____ injections - small animals
 - _____ IM
 - _____ IV
 - _____ Sub Q
- _____ IV fluid therapy (catheters)
- _____ otic medication
- _____ large animal restraint
- _____ small animal restraint
- _____ topical medication
- _____ TPR large animals
- _____ TPR small animals
- _____ nail trims

Pharmacology

- _____ drug dose calculations
- _____ label preparation
- _____ dispensing

Office Equipment

- _____ Management software
- _____ Fax
- _____ Cash register

Office procedures

- _____ answer the telephone
- _____ client education
- _____ collect fees
- _____ computer data entry
- _____ inventory control
- _____ over-the-counter sales
- _____ set up appointments
- _____ word processing
- _____ greet clients

Other

Student signature: _____

Supervisor signature: _____