

# APPLICATION FOR LIVE ANIMAL USE IN TEACHING AT COASTAL ALABAMA COMMUNITY COLLEGE

MARK WITH AN "X" EST THE BOX FOR ONE OF THE FOLLOWING AND TYPE YOUR CURRENT PROTOCOL NUMBER IF NEEDED:

New application       Amendment of current protocol #  
 Renewal of current protocol # **VET 110-1015**

**Amendments** are required when any significant change occurs in a protocol such as change of study objectives, procedures and pain category, increasing animal number, change of species, use of anesthetic or analgesic agents or methods of euthanasia. **Renewal** is required after **one year** for all protocols that involve species covered by the Animal Welfare Act (AWA) and after **three years** on all other protocols. All aspects of the protocol need to be carefully reviewed for significant changes and updating. Particular attention needs to be given to numbers of animals needed over the next approval period. New signatures are required by the attending veterinarian, the applicant, and the supervisor.

## 1) NAME OF ACTIVITY, CLASS, OR TRAINING EVENT

Name of activity and associated course number: **Basic Animal Care and Husbandry- VET 110**  
**Protocol #- VET 110-1015**

<b>2) APPLICANT NAME</b>		Dr. Cathleen Forester			
<b>Office Phone</b>	(251)580-2273				
<b>Dept.</b>	Allied Health-Vet Tech	<b>E-mail address</b>	Cathleen.forester	@	Coastalalabama.edu

## 3) GOALS AND SPECIFIC OBJECTIVES OF PROPOSED USE OF LIVE ANIMALS

Use language understandable to a non-scientist. One or two paragraphs are usually adequate.

**As per CVTEA essential list required tasks, each student must demonstrate the ability to accurately perform the following basic husbandry procedures in dogs and cats:**

- trim toenails – canine
- trim toenails – feline
- express anal glands – canine only
- thoroughly bathe a dog or cat
- clean ears – canine
- clean ears - feline

## 4) PROJECTED START DATE, ANIMAL SPECIES, AND NUMBER NEEDED.

**Projected Start Date (If this is a renewal of an existing protocol this date should be the date your current protocol expires).**

11/01/17

<b>-Approval for ONE year is granted for species covered under the Federal Animal Welfare Act (dogs, cats, non-human primates, guinea pigs, hamsters, rabbits, wild mammals, and any other animal used in bio-medical research)</b>	
<b>Species (common name)</b>	<b>Domestic Dog and cat</b>
<b>Number needed in one year</b>	<b>Approximately 100 representing 2 or 3 dogs or cats per day.</b>
<b>If renewal - Total number utilized since prior protocol review</b>	unknown

**OR**

<b>-Approval for THREE years is granted for those species exempted by the Animal Welfare Act (agricultural species used in agricultural research, birds, commercially bred rats, commercially bred mice, and non-mammal wildlife.)</b>	
<b>Species</b>	
<b>Number needed in first year</b>	
<b>Number needed in second year</b>	
<b>Number needed in third year</b>	

**RATIONALE FOR NUMBER OF ANIMALS REQUESTED FOR TEACHING PROTOCOLS:** For example, if numbers are determined by a specific student-to-animal ratio, the choice of the ratio must be justified in writing. All procedures will be performed by each student. Each animal will be subjected to a maximum of three attempts per procedure per day.

**5) PROCEDURES, PAIN CATEGORY, SPECIES, PERSONS PERFORMING PROCEDURES AND THEIR TRAINING.** Provide a detailed description of all proposed procedures to be conducted on each species, (Example: IV injection in the jugular vein, up to 3 ml, twice a day for six days), the pain category for the procedure, and the personnel who will perform the procedure. For pain categories see USD A/AWA Pain/Distress Categories on the last page of this application.

**Species - Procedure - Pain Category - Personnel**

**Canine and feline – Basic Animal Care and Husbandry -C - Vet Tech Instructors and Students**

1. Students will observe an animal prior to any manipulation for respiratory rate and character. Animals will not be restrained or otherwise stressed during this observation.
2. Using proper and appropriate restraint student will examine the nails for color and identify any problem nails. Student will note the location of the vascular matrix prior to trimming. Clippers will be placed at least 2mm from end of vascular matrix taking all precautions to prevent cutting nail too short.
3. Anal gland expression will be performed prior to bathing on all dogs but on an as needed basis only for cats. With the canine restrained in a standing position, proper use of muzzle or e-collar as necessary, the student will put on exam gloves and note the location of the anal sacs. The student then will place a well lubricated index finger into the rectum and by gently squeezing the gland dorsomedially between the finger and thumb, express the contents into a gauze pad placed over the opening. Patients will be

monitored by restrainer for signs of pain and/or distress and the procedure will be discontinued and the clinical site veterinarian will be immediately notified of any patient demonstrating such signs.

4. The student will properly secure the patient in the bathing area to prevent injury or escape, remove all collars and/or harness, and place cotton balls in each ear in preparation for the bath. The student will thoroughly wet the patient taking special care around head and eyes. Using the designated shampoo and following the prescribed directions, the student will apply the shampoo by gentle massage into the haircoat and on the skin, after waiting the appropriate amount of time the pet will be thoroughly rinsed and the cotton balls will be removed.
5. Each ear will be examined for redness, inflammation, proliferation of tissue, discharge, debris and odor. Any diagnostic samples will be safely collected. The students will perform a routine ear cleaning, as designated by the attending veterinarian, by filling the ear canals with sufficient amount of cleaning solution without contaminating the applicator tip. Massaging the base of the ears to loosen accumulated debris followed by gentle flushing and removal using cotton balls. The outer surface of the pinna will be wiped clean and the ears examined.
6. Patients will be closely monitored during all procedures for any signs of pain or distress, if any are noted the procedure will immediately be suspended and the supervising veterinarian will be notified and the patient will be examined. The procedure will be continued only after any issues have been resolved.

Specific training of each person for each procedure listed above.

Students will receive lectures on proper procedures and use of necessary equipment prior to performance. All students will demonstrate proper technique using models prior to live animal use.

**6) LITERATURE SEARCH FOR PAIN AND DISTRESS REDUCTION**

-Replacement of a live animal model with non-living systems; refinement of methods which are less painful or distressful; and reduction in number of animals used should be considered. Include an appropriate conclusion such as "Literature search verified that procedures and methods described in this protocol are currently accepted methods and minimize pain and distress to the animals and that there are no alternatives available for these procedures."

Databases searched

NORINA  
<http://awic.nal.usda.gov/>  
<http://www.aphis.usda.gov/animalwelfare>  
<http://www.animalearn.org>  
<http://neavs.org>

Specific key words used in your search including animal species, pain, stress, distress, alternatives and specific type of research \_\_\_\_\_

Physical, examination, alternatives, auscultation, palpation \_\_\_\_\_

Dates search covered | 2000 through June 2013

Date search completed | 11/22/2013

Conclusion | Several adjunctive audiovisual aids were identified to minimize the amount of handling necessary to achieve proficiency in areas of basic husbandry. Accurate, less invasive methods for the required proficiencies are otherwise not available through models or lower species.

**7) JUSTIFICATION OF LIVE ANIMAL USE AND SPECIES SELECTION** Alternatives to live animal use must be considered and the lowest appropriate phylogenetic species must be used \_\_\_\_\_

All tasks listed for completion by students are required by the CVTEA as described in the Accreditation Policies and Procedures Manual, Appendix I. All tasks performed by students will be under the direct supervision of a licensed veterinary professional.

#### **8) ATTENDING VETERINARIAN**

An attending veterinarian must review proposed procedures, especially drug use. He/she must also sign all protocols. The Veterinarian must have experience with the species for which he/she is responsible. **All drugs are to be obtained through or with the approval of the Attending Veterinarian.**

#### **ANESTHESIA & PAIN CONTROL**

Name and purpose of drug to be given | NA

Dose | NA

Route of administration | NA

Maximum volume | NA

Frequency of dosing | NA

If pain alleviation interferes with end point measurements, a complete justification must be included, (i.e. pain Category E Protocols) \_\_\_\_\_

NA

Who will perform this procedure | NA

Specific training of each person for each type of anesthesia/pain control procedure they will perform / NA

#### **EUTHANASIA/CARCASS DISPOSAL**

AVMA Euthanasia Guidelines must be followed <http://www.avma.org/resources/euthanasia.pdf>. If you don't plan to euthanize animals, you must still be prepared to euthanize an animal because in all protocols, which include manipulations, an animal may be seriously injured and need to be euthanized.

Method of euthanasia to be used (all AVMA methods classified as "conditionally acceptable" must be justified in writing) | NA

If drugs are used specify the agent | NA

Dose | NA

Route of administration | NA

Maximum Volume | NA

Justification for "conditionally acceptable" methods

NA

Who will perform euthanasia procedure | NA

Specific training of each person for each type of euthanasia they will perform- NA

Describe how carcasses will be disposed of (especially applicable to carcasses which have been exposed to recombinant DNA, infectious, toxic or radioactive agents or euthanized with drug) NA  
 If animals are not euthanized, what will be their final disposition (especially federal threatened, endangered, or state sensitive species)  
 All animals utilized for training purposes are owned by the animal care facility and all tasks are performed on site. An MOU is in place regarding all animal use.

Species	Attending Veterinarian Name	Attending Veterinarian's Email Address
canine and feline	Cathleen B. Forester D.V.M.	Cathleen.forester@coastalalabama.edu
<b>Attending Veterinarian Comments</b> Animal use is justified and minimally stressful. Pain should not be present in healthy animals as requested by MOU. Animal numbers are reasonable based upon preliminary enrollment and planning, but may need to be adjusted by addendum based upon first year "pilot" program use.		
Signature	Cathleen B. Forester D.V.M.	Date 10/05/17

9) SUPPLEMENTAL INFORMATION  
Please read carefully & place a "Y" or "N" to each question & provide information as required.

- Y \_ Is the proposed species covered under the Animal Welfare Act? (i.e. dogs cats, non-human primates, guinea pigs, hamsters, rabbits, wild mammals, and any species used in bio-medical research)
- Y \_ Are any animals described in this application privately owned? If yes, contact your department head for discussion of liability issues and the potential need for a signed "Owner's Release Form", and provide written notice to the IACUC.
- N\_ Is surgery in which the animal recovers part of this application? If yes, the person performing the procedure must prepare a description of the procedure, and the level of asepsis to be maintained. A record must be made for each procedure performed including anesthesia, analgesia, and pre- and post- operative care.
- N\_ Is tail clipping, to obtain blood or tissue sample, of rodents over two weeks of age a part of this application? If yes, a specific written justification must be included with this application.

10) CERTIFICATION  
*/ certify that the above is a complete and accurate description of all proposed use of LIVE animals in this activity. I agree that if there are SIGNIFICANT CHANGES from those procedures described in the application I will, prior to the change, prepare a written amendment to this application and receive written IACUC approval prior to implementing the changes.*  
*I assure that students, staff, faculty, or other personnel who perform the procedures described above are QUALIFIED to perform the procedures in a humane and scientifically acceptable manner. I certify that the procedures conducted do not unnecessarily duplicate previous experiments.*

Faculty Applicant Name	Cathleen B. Forester D.V.M.	
Signature	Date	10/05/17