

Student Technology Fee
Grant Proposal Request Form
Fiscal Year 2012-13
Northwestern State University of Louisiana

2013.008
Tabled
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ALL BLANKS MUST BE FILLED COMPLETELY

Prepared by: Brenda R. Woodard For: Veterinary Technology Program

Department/Unit: Biological/Physical Sci College: Science, Tech, Business Campus: Natchitoches

Which NSTEP Goals/Objectives does this project meet? 1, 3, and 9

Requested equipment will be located/installed/housed? Building 090, Biennu Hall Room Basement

Does the department requesting funding receive lab fees? (circle one) YES/NO

Are department property policies and procedures in place for requested equipment? Yes

Which individual will be responsible for property control of the requested equipment?

Signature: Brenda R Woodard Date: October 31, 2012

Proposal Requested Amount: \$36,800 Budget Attached (circle one) YES/NO

Proposal delivered to Student Technology located in Watson Library, Room 113. Date 10/31/12

The proposal must include all specifications, description, model number, quotation, cost, state contract number, and vendor for each item. If the proposal does not include all requested information, it will be returned.

1. Describe target audience.

The veterinary technology program offers an Associate Degree as well as a veterinary technology concentration biology Bachelor of Science Degree curriculum (offered for the first time in Fall, 2010). Enrollment in the veterinary technology curriculum is 83 students this fall, with many of the students double majoring to include the A.D. and B.S. degree options. We anticipate an increase in enrollment as that option becomes more widely known.

Graduates of these programs become veterinary technicians or veterinary technologists, respectively, and are eligible to sit for the National Veterinary Technician Examination to become Registered Veterinary Technicians or Technologists. The curricula require teaching a long list of hands-on application of skills in laboratories to meet the guidelines of our accrediting body, the American Veterinary Medical Association.

The laboratory course VTEC 3201 utilizing the requested equipment is required for student majors in each of these curricula, and is a course that requires students to use skills learned to assist in anesthesia/surgery or dental procedures on live animals. The course requires that students perform tasks which resemble those required in the work force of veterinary technicians.

2. Describe project/initiative for which you are requesting funds.

We are requesting funding to furnish a new animal enrichment dog housing area, used to educate students in kennel sanitation and maintenance, as well as to provide housing for shelter dogs utilized for teaching many hands-on skills in multiple veterinary technology laboratory courses. Our plan is to have a ground floor laboratory space furnished with ten 4' X 6' self-contained dog runs with an adjacent outdoor space furnished with ten 10' X 12' dog kennels arranged in a configuration to provide a large 20' X 48' centrally located exercise run space, so that students will be able to exercise the dogs. The outdoor kennels will also be large enough for each individual dog to have freedom of movement for exercise.

We have a Memorandum of Understanding with two local shelters which provide dogs for use in teaching. Each dog is rehabilitated for adoption while it is here. Each is immunized, treated for parasites and put on preventative medications, spayed or neutered as is appropriate for its gender, and each receives any other medical or surgical treatment needed for health. No unnecessary surgical procedures are performed on these dogs, though dogs are used for instructing in procedures such as medication techniques, application of bandages, etc. Veterinary technology students are fully involved in assisting with rehabilitation, and students enrolled in introductory laboratories (VTEC 1011 and 1031) are responsible for care of these dogs for one week each semester.

We currently have six dog runs on the third floor of Bienvenu Hall. We often have to house several more dogs than six, so these dogs must be caged. Each dog is walked outside twice daily, but we have no area available for the dogs to exercise off leash. Each dog must be walked down and up two flights of stairs by students, which is somewhat hazardous for the students when certain dogs are pulling on the leash. We need to be providing a better experience for the students as well as for the dogs.

3. State measurable objectives that will be used to determine the impact/effectiveness of the project.

- a. Each new equipment item will be installed for use to create an indoor/outdoor housing area for dogs used in teaching hands-on clinical skills.
- b. Students will be instructed in the care and use of the equipment, and in essential animal care and housing skills, and will have immediate access when enrolled in any Veterinary Technology laboratory.
- c. Course syllabi and animal care and housing guidelines will be updated to reflect use of this equipment.
- d. Students must successfully complete their rotations through animal care and husbandry utilizing this equipment to successfully complete VTEC 1011 and/or VTEC 1031 courses.

4. Indicate how each project objective will be evaluated.

- a. The laboratory will be inspected and maintained to insure that the requested equipment items are properly placed and in use for housing dogs in laboratory courses.
- b. The syllabi will be compared to existing syllabi to insure that updated instructions regarding use of these facilities are included.
- c. Student evaluations in animal care skills will be examined to determine that student acquisition of skills is occurring. Documentation of student acquisition of essential skills will be maintained for each student enrolled in these laboratories.

5. If funded, which NSTEP <http://www.nsula.edu/nstep/NSTEP.pdf> objective(s) will funding of this project advance? How will funding of the project advance the University and College/unit technology plan?

a. This project will advance the following NSTEP objectives:

1. *To improve access to technology by students, faculty, and staff at Northwestern State University.* Specifically, to expose students to modern animal housing equipment and enrichment, train them in its use, and give them basic essential skills required in post-graduate careers. These dogs help in educating Veterinary Technology students every day.
3. *To upgrade laboratories with modern technology.* Specifically, to use modern animal housing equipment with animal enrichment as appropriate for the current "state-of-the-art" in veterinary medicine and technology.
9. *To provide and support hardware and software upgrades, new hardware and software for specialized functions, training for technical support personnel.* Specifically, the equipment items requested represent functions specialized for modern veterinary medicine and the training of personnel for the workplace.

b. This project will advance the following University and College of Science, Technology, and Business goals:

1. *Goal 1: Northwestern State University will endeavor to create and maintain a responsive, student-oriented environment.* Specifically, these equipment items will enhance the experience of every student enrolled in Veterinary Technology. They will improve student safety and interactions with the dogs used to educate the student.
2. *Goal 2: Northwestern State University will provide programs, services, and operations throughout the University of high quality and effectiveness.* Specifically, the Veterinary Technology program is fully accredited by the American Veterinary Medical Association. Providing modern equipment for student instruction illustrates that we care to provide a high quality educational experience for our students, so that they are well prepared for board examinations and a veterinary medical career.

6. Provide a justification for funding of this project. Estimate the number of students that will be served per academic year and in what ways. Please indicate also any unique needs of the target group.

Every veterinary technology student (current enrollment 83) will benefit from an enhanced dog housing area on the ground floor level. Students are each required to participate in animal care and husbandry. Some have health problems which make it difficult to impossible to walk dogs up and down flights of stairs. In recent years, we have had students enrolled who have had fibromyalgia, multiple sclerosis, heart conditions, and other health issues that interfered with their ability to fully participate in the learning experience. This project will eliminate potential safety and health issues for students.

Being able to interact with and exercise dogs outdoors will enhance the experience for the students and for the animals housed. Students select veterinary technology as a major generally because they care for animals and their well-being. Animal enrichment is an absolute requirement for the modern teaching facility and is required by the United States Department of Agriculture in evaluating compliance with the Animal Welfare Act.

7. List those individuals who will be responsible for the implementation of the project/initiative and indicate their demonstrated abilities to accomplish the objectives of the project.

The individuals who teach veterinary technology courses include two veterinarians, Dr. Brenda Woodard and Dr. James Woodard, as well as a Registered Veterinary Technician, Ms. Katie Coody. Drs. Woodard each have over 25 years experience in veterinary medicine, and almost 25 years in teaching at NSU educating veterinary technicians. Ms. Coody is a 2008 graduate of the NSU Veterinary Technology program, and is in her first year of assisting in laboratories. She has four years clinical experience as a certified veterinary technician.

All are well experienced with the use, handling, care, and capabilities of these equipment items in teaching and in practical clinical veterinary applications.

8. Describe any personnel (technical or otherwise) required to support the project/initiative.

The equipment items requested are "stand-alone" items, which may be installed relatively easily in existing room space and outdoors. Some refinishing of the room (painting, etc.) and plumbing will be required, but it is within the range of expertise of the NSU Physical Plant employees.

9. Provide a schedule for implementation and evaluation.

The equipment items will be ordered when funding becomes available. They should be delivered within 60 days of order, and be installed during the spring or summer semester of 2013. They will be in full use by the fall semester of 2013.

10. Estimate the expected life of hardware and software. Explain any anticipated equipment/software upgrades during the next five years.

These equipment items should last minimally twenty years, and probably longer, with careful handling and adequate maintenance. The veterinary technology program has a history of excellent care of equipment, and we instruct students in the proper care and maintenance of equipment used.

11. Explain in detail a plan and policy that will be in place to ensure property security/controls for any equipment received through a Student Technology Fee. If you are requesting equipment that will be either/or checkout to students or moved within the department, you must provide a checkout/loan policy.

The laboratory where this equipment will be housed remains locked at all times unless the laboratory is in use for teaching purposes or clinical procedures. The outdoor area will be enclosed in a secondary fence to prevent access by anyone other than authorized students and personnel.

12. Does the department that is requesting equipment receive lab fees? If so, please provide a justification for requesting funds from tech fee funds over using lab fees from your department.

Veterinary technology does receive student assessed lab fees. However, the total amount averages less than \$5,000 per academic year. Veterinary technology laboratory courses involve

extensive use of expendable medicines and medical supplies, like bandage materials, syringes/needles, gloves, all drugs needed to successfully anesthetize animals to perform surgical procedures, diagnostic testing kits, supplies to run diagnostic laboratory machines, etc. Because these materials are used, we must spend lab fee funds to restock these supplies each year. We do not receive funds in the amount necessary to purchase equipment items such as these.

13. Attach a detailed budget.

A detailed budget follows.

Budget Summary:

Qty	Description	Unit Price	Ext. Price
10	Ultrabase indoor Kennels 4' X 6' With stainless steel gates, one Piece base, anti-slip floor, adjustable Legs, built-in 2" PVC back floor drain, Swing up rest bench	\$2,200	\$22,000
10	Freestanding outdoor chainlink pens 1 1/2" diamond mesh, 10' X 12' X 74", Swing gate, shade-a-pup kennel shade Cover, double bowl inserts	1,000	10,000
	Shipping @ 15% of total merchandise		1,500
	Total		\$33,500

Vendor:

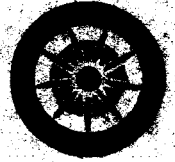
Mason Company
260 Depot Street
P. O. Box 365
Leesburg, OH 45135
800-543-5567
937-780-2321
FAX 937-780-6336

Attach two (2) letters of support for the project from the following individuals: the requesting department's Dean, the appropriate Vice President (for non-academic units), or the SGA President from the requesting campus (for student requests).

Letters of support attached are from Dr. Austin L. Temple, Dean of the College of Science, Technology, and Business, and Dr. Zafer Hatahet, Department Head, Biological and Physical Sciences.



DEPARTMENT OF BIOLOGICAL AND PHYSICAL SCIENCES
COLLEGE OF SCIENCE, TECHNOLOGY, AND BUSINESS
Phone (318) 357-5323, Fax (318) 357-4518, Email: Bio_Sci@nsula.edu, URL: biology.nsula.edu



October 28, 2012

Mrs. Jennifer Long Martin
Student Technology Fee Office
Watson Library

Dear Committee Members,

It is with pleasure that I write in support of Dr. Brenda Woodard's grant to create a dog housing area adjacent to Bienvenu Hall.

The impact of the veterinary technology program, and Dr. Woodard in particular, on our department, university, and the community at large cannot be denied. Many of the faculty, staff and students receive the majority of their animal care through the Vet Tech program. Equally important, Dr. Woodard and her students take care of many animals housed at the local shelters, and many other strays that are brought directly to the Vet Tech program.

Having said that, supporting this grant proposal is not strictly an act of philanthropy. Our students gain immeasurable experience from caring for these animals, and this hands-on experience is an indispensable component of our program.

I give Dr. Woodard's application my strongest and unconditional support.

Thank you.

Zafer Hachet, Ph.D.
Professor and Department Head



COLLEGE OF SCIENCE, TECHNOLOGY, & BUSINESS
OFFICE OF THE DEAN



October 29, 2012

Dear Committee Members:

I am pleased to recommend the proposal to you submitted by Dr. Brenda Woodard. The installment of dog runs will allow more flexibility to faculty and students in housing and handling dogs. There are currently 83 students in the AD and BS degree programs in Veterinary Technology. Dog housing improvements will allow the program to accommodate more live animals for use in the teaching program, and will teach students about current state-of-the-art facilities in housing animals. It is vitally important that students learn the proper ways to house and care for their future patients.

I appreciate your consideration of this proposal and I know of no better way to make a difference in this academic department than to provide funds for this construction.

Very truly yours,

Austin L. Temple, Ph.D.

De3an, College of Science, Technology, and Business