Student Technology Fee Grant Funding Request Form
Northwestern State University of Louisiana

Proposal Number

Prepared by: ___Dr. Leeann Sticker, John Byrd___ Department: <u>Biological Sciences</u>

College or Unit: ___College of Science and Technology___ Campus: _Leesville/Fort Polk_

Information Systems review by _____ Date _____

1. Describe target audience. (0 points)

> All students in:
>
> ZOOL 1231 (Human Physiology Laboratory)

2. Describe project/initiative for which you are requesting funds. (10 points)

> To upgrade to most recent version of a physiology laboratory simulation program (PhysioEx 6.0:Labortory Simulations in Physiology).   Eight copies are requested, 1 for each laboratory computer. The software is purchased with a corresponding laboratory manual.

3. State measurable objectives that will be used to determine the impact/effectiveness of the project. (10 points)

> <u>Objectives of purchasing newest version:</u>
> 1. To provide students with the most up to date laboratory simulation exercises.
> <u>Objectives of this laboratory stimulation program:</u>
> 2. To improve the understanding of basic physiological principles by increased use of direct measurement and analysis of the students own physiological functioning.
> 3. To increase interest, motivation, and understanding of a variety of scientific issues by incorporation of computer software and hardware technology, and internet resources into science courses.

4. Indicate how each project objective will be evaluated. (10 points)

> The project objectives will be evaluated by student and professor surveys.

5. Provide a justification for funding of the 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. (10 points)

Recent trends in medicine are focusing on increased involvement and responsibility of the allied health professionals. These allied health professionals include nurses, physician assistants, physical therapists, occupational therapists, medical technologists, radiological technologists, etc. Students majoring in all of these allied health areas must master Human Physiology, not only for a basic understanding of body functioning, but also for comprehension of pathological physiology (the influence of disease and/or drugs on body function). In addition to allied health professionals, all students majoring in Biology, Pre-Medicine, or Pre-Dentistry must also master physiology for their future endeavors. It is critical that these students comprehend all physiological concepts because physiology serves as a foundation on which to build advanced knowledge of normal body function and of the influences of body functioning on disease.

Laboratory simulation exercises provide hands-on, personal experiences which greatly increase learning and retention of physiological principles. Students state how much they enjoy the laboratory simulations and how much they learn by completing the exercises.

The total number of students served will be approximately 60 per year.

6. How will funding of the project advance the University and College / unit technology plan? Which NSTEP objective/s will this funding benefit? (15 points)

Funding of this project will advance the NSTEP objectives:
1. To improve access to technology by students, faculty, and staff at Northwestern State University.
2. To provide classrooms with updated technology and multimedia.
3. To upgrade student technology laboratories with modern technology.

This project will advance both the Leesville/Fort Polk's and the College of Science and Technology's Technology as they both emphasize multimedia educational and laboratory technological enhancements.

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. (0 points)

Dr. Sticker and Mr. Byrd will be responsible for implementation of the project. Dr. Sticker and Mr. Byrd teach most of the science courses at the Leesville/Fort Polk Campus.

8. Describe any personnel (technical or otherwise) required to support the project/initiative. (5 points)

Tommy Tilley, Senior User Support Specialist at the Leesville/Fort Polk Campus will be responsible for installation, maintenance or operations.

9. Provide a schedule for implementation and evaluation. (5 points)

Immediately Upon Arrival of Equipment : Set up and begin incorporation of resources into classes.
Every Semester: Evaluations

10. Estimate the expected life of hardware and software. Explain any anticipated equipment/software upgrades during the next five years. (0 points)

Updated versions are expected within the next 2 years. However, the program will likely be usable for the next 5 years.

11. Explain in detail a plan and policy that will be in place to ensure property security/controls for any equipment received. Equipment will not be purchased until an acceptable policy is in place to ensure equipment security. (15 points)

The software will be installed on computers in a locked area, only accessible to those with keys to the specific area.

12. Attach a detailed budget, including: specs., description, cost, state contract number, and vendor for each item; cost of outside support personnel; and a description of how the proposal will support University/College/unit resources (i.e., cash match, funds from other sources, or reallocation of existing hardware/software or other equipment. (20 points)

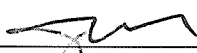**Budget for the Purchase PhysioEx Physiology Laboratory Simulation Software**

Description	Vendor/Vendor Catalog Number OR State Contract Number	Cost
PhysioEx 6.0 for A&P: Laboratory Simulation in Physiology	Benjamin Cummings*	24.00 each

*Quote Attached

Total:	$192.00

13. Attach a letter of support for the project signed by the requesting unit's Dean, the appropriate Vice President (for non-academic units), or the SGA President from the requesting campus (for student requests). (0 points)
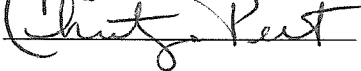
Student Technology Fee
Grant Proposal
2005-06

Name	**Signature**	**Date Reviewed**

Dr. Jim McCrory

Comments:

Tyron Tinnerello   10/25/05

Comments:

Christyn Perot   10/24/05

Comments:

Tim Chadbourne   10/25/05

Comments:

Gary Gatch   10/125/05

Comments:

Dale Martin   11-11-05

Comments:

Date Given to IS   Date Received from IS
10/24/05   10/26/05
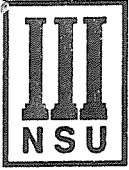
NORTHWESTERN
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Leesville Campus

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October 20, 2005

Student Technology Fee Grant
Selection Committee

Dear Council Members:

Please consider this letter to represent my hearty support for the proposal to purchase
eight copies of PhysioEx 6.0 software for the science lab students on the Leesville-Ft.
Polk campus of Northwestern State University. To do so would improve the already
excellent quality of instruction which takes place on this campus.

This purchase would affect students in several majors and would thus benefit hundreds of
students each year. Since no computer hardware is involved, upgrades will not be
necessary; and at a cost of only $192.00 this an extremely cost effective proposal.

If I can provide further information, please contact me.

Sincerely,

Larry E. Monk, Ed. D.
Executive Director

NORTHWESTERN STATE
UNIVERSITY OF LOUISIANA
Natchitoches, LA 71497

Student Technology
Watson Library, Room 113

Telephone (318) 357-6482
FAX (318) 357-6480

January 6, 2005

Dr. Leeann Sticker
Northwestern State University
3329 University Parkway
Leesville, LA 71449

Dear Dr. Sticker,

It is with pleasure that the STAT (Student Technology Advisory Team) has fully funded your grant proposal for Fiscal Year 2005-06 in the amount of $192.00.

Ordering of equipment listed in the grant proposal will take place during the month of January.

Please be reminded that your grant was funded through Northwestern Student Technology Fees, all equipment purchased, therefore, must be used exclusively and directly for/by Northwestern students.

You are commended for, and encouraged to continue your efforts to enrich the learning environment for students at Northwestern State University. Your time, effort, and vision in service of the students are greatly appreciated. If you have questions or need additional information please contact me by phone or via email at: long@nsula.edu.

Sincerely,

Jennifer Long
Student Technology Fee

cc: Biology Department