

Student Technology Fee
Funding Request Form
Surplus Funding Fiscal Year 2008-09
Northwestern State University of Louisiana

2009.0055
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This document will not be accepted without complete information, detailed budget, specifications of each piece of equipment requested and pricing.

Prepared by: Tommy Tilley, Leeann Sticker, Sharon Green For: NSU University Campus Leesville

College: Science/Technology/ Campus: Leesville Department: Biology/Criminal Justice

Where will requested equipment be located/installed/housed: Bldg. 551 Room 10

Are property policies and procedures in place by the department for equipment requested. Yes

Delivery to the Student Technology office located in Watson Library, Room 113. Date _____

Describe target audience.

Students enrolled in:

- BIOL 2231 Human Physiology Laboratory
- BIOL 2221 Human Anatomy Laboratory
- BIOL 1011 Biological Principles Lab I
- BIOL 1021 Biological Principles Lab II
- CJ 2600 Introduction to Criminalistics and Forensic Science
- CJ 4700 Advanced Criminalistics and Forensic Science

Describe project/initiative for which you are requesting funds.

To upgrade to most recent version of a physiology laboratory simulation program (PhysioEx 8.0: Laboratory Simulations in Physiology). Ten copies are requested, 1 for each laboratory computer. The software is purchased with a corresponding laboratory manual.

To purchase a dry erase board for the Science Laboratory.

To upgrade to most recent laboratory equipment and supplies to enhance the criminalistics and forensic science curriculum.

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

Objectives of purchasing newest version:

1. To provide students with the most up to date laboratory simulation exercises.

Objectives of this laboratory stimulation program:

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. To increase interest, motivation, and understanding of a variety of scientific issues by the integration of criminalistics and forensic science laboratory equipment

Indicate how each project objective will be evaluated.

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

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.

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 Centurion (4' x 12') Magnetic Markerboard (i.e. dry erase board) is necessary to eliminate chalk dust from computers, monitors and other valuable equipment. This will be used by all students who use the science laboratory classroom.

Supplies will be used for the instruction in both CJ 2600 Introduction to Criminalistics and Forensic Science and CJ 4700 Advanced Criminalistics and Forensic Science. These two classes require the utilization of modern forensic equipment and supplies in order to effectively teach students about proper field and laboratory techniques commonly used in the field of criminalistics and forensic science. These classes provide the application of science to law in a criminal justice setting. Students will explore the role that physics, chemistry, biology, pathology, anatomy, psychology, and other major branches of science play in courtroom settings. Emphasis will be placed on the historical evolution of forensic science, terminology, and how scientific methods are used to solve crimes as well as how modern, up to date techniques in the field are utilized. These courses involve active participation in both lecture and in laboratory/field exercises.

The total number of students served will be approximately 150 per year.

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

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.

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.

Leeann Sticker- Teaches BIOL 2231
Sharon Green-Teaches CJ 2600 and 4700

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

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

Provide a schedule for implementation and evaluation.

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

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

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

Explain in detail a plan and policy that will be in place to ensure property security/controls for any equipment received through Student Tech Fee.

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

The equipment/lab supplies will be kept in a locked area, only accessible to those with keys to the specific area.

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. **All of the information requested must be attached or the request will not be accepted.**

Budget for the Purchase PhysioEx Physiology Laboratory Simulation Software

Description	Vendor/Vendor Catalog Number OR State Contract Number	Cost
PhysioEx 8.0 for A&P: Laboratory Simulation in Physiology (10 each)	Benjamin Cummings*	\$40 each
Centurion Magnetic Markerboard	Intermedia Technologies	\$484
		Total: \$524.00

SIRCHIE Fingerprint Laboratory-Product Catalogue 2007/2008

SIRCHIE Fingerprint Laboratory
100 Hunter Place, Youngville, NC 27596
800-356-7311/919-554-2244
FAX: 800-899-8181/919-554-2266
www.sirchie.com

PAGE #	PRODUCT #	DESCRIPTION	QTY	PRICE
8	KSS8900	Scan-N-Find Pocket Imager Kit	1	\$7950.00
				TOTAL \$7950.00

SIRCHIE Fingerprint Laboratory-Supplemental Catalogue 2009

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PAGE #	PRODUCT #	DESCRIPTION	QTY	PRICE	TOTAL
40	130LW	1 1/2 X 2" White Hinge Lifters, 24 each	5	\$ 7.75	\$38.75
44	LRL 1234	SEARCH Liquid Rubber Fingerprint Lifter Kit	1	\$44.95	\$44.95
60	BT100BP	Barrier Tape Bulk Pkg (Crime Scene Do Not Cross)	2	\$87.75	\$175.50
60	BTD100	Barrier Tape Dispenser	2	\$29.95	\$59.90
61	BP5	Barrier Posts, 5 each	4	\$18.95	\$75.80
62	SK0001	Squad Car Sketch Kit	2	\$49.95	\$99.90
63	CST1	Crime Scene Template 6.5"x3.25"	2	\$9.95	\$19.90
64	IEB7500	Integrity Evidence Bags, 7.5"x10.5", 100 each	1	\$29.40	\$29.40
64	IEB1200	Integrity Evidence Bags, 12"x15.5", 100 each	1	\$47.60	\$47.60
66	BEP12P	Breathable Evidence Pouch, 8"x12", 100 each	1	\$68.95	\$68.95
68	EB000P	Printed Kraft Evidence Bags, 100 each	1	\$18.95	\$18.95
68	EB001P	Printed Kraft Evidence Bags, 100 each	1	\$20.95	\$20.95
68	EB002P	Printed Kraft Evidence Bags, 100 each	1	\$22.95	\$22.95
72	ECGJ1	Glass Evidence Collection Jars, 16 each	1	\$15.95	\$15.95
72	ECGJ2	Glass Evidence Collection Jars, 16 each	1	\$16.95	\$16.95
72	ECGJ4	Glass Evidence Collection Jars, 16 each	1	\$20.95	\$20.95
72	AEC00	Solid Material Evidence Collect. Containers, 10	1	\$22.50	\$22.50
72	AEC02	Solid Material Evidence Collect. Containers, 10	1	\$51.25	\$51.25
79	VES01	Void "Evidence Seal", 100 each	1	\$9.95	\$9.95
79	EILO7R	Yellow "Sealed Evidence", 250/roll	2	\$9.95	\$19.90
80	ET6	Combo: Evidence/Chain of Poss. Label, 100 each	1	10.50	\$10.50
85	618E1	Evidence Vacuum Sweeper Kit, 110V	1	\$325.25	\$325.25
87	617E	Evidence Vacuum Sweeper Filter Attachment	1	\$59.95	\$59.95
87	PEM01	Polyester Monofilament Microfilters	1	\$39.95	\$39.95
94	SF0076M	Power-free Latex Gloves, 100 each	4	\$11.95	\$47.80
94	SF0076XL	Power-free Latex Gloves, 100 each	4	\$11.95	\$47.80
110	SK700	Fiberglass Reel Tape, 100 ft.	2	\$25.50	\$45.00
117	PEN15V	Plastic Photo Numbers	2	\$31.50	\$63.00
119	BSK500	Blood Spatter Kit	1	\$43.50	\$43.50
120	NARK200MK	Master Kit, 130 Tests + Neutralizer	1	\$225.00	\$225.00
120	NARK20016	Progressive Identification Card	10	\$2.75	\$27.50
120	NARK20017	Progressive Identification Wall Chart	1	\$6.75	\$6.75
122	NAR100	Narcotics Analysis Reagent Kit	1	\$98.00	\$98.00
122	NAR10020	NARK Chart	1	\$6.75	\$6.75
123	DIB100	Drug identification Bible	2	\$34.95	\$69.90
125	BV100	BlueView Gunpowder Particle test Kit	1	\$99.50	\$99.50
123	DCB100	Phenolphthalein DISCHAPS, 6 pk	10	\$24.95	\$249.50
126	LUMINOL16	Luminal Reagent w/spray head, 16 oz	2	\$59.95	\$119.90
127	DCB400	Investigator's Field Blood Test Kit	1	\$69.60	\$69.60

TOTAL \$2536.10

Fisher - VWR

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).