

Student Technology Fee

Grant Proposal

2008.016

2007-08

Dr. Jim McCrory

Approved

Denied

Comment: _____

Diana Hamilton

Approved

Denied

Comment: _____

Gary Gatch

Approved

Denied

Comment: _____

Mike McDonald

Approved

Denied

Comment: _____

Dale Martin

Approved

Denied

Comment: _____

FF

Student Technology Fee
Grant Proposal Request Form
Fiscal Year 2007-08
Northwestern State University of Louisiana

2008.016

#4 nr

ALL BLANKS MUST BE FILLED COMPLETELY

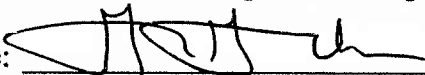
Prepared by: Rebecca Britt For: Digital Temperature and Blood Pressure Unit
Department/Unit: Radiologic Technology College: College of Nursing Campus: Shreveport

Which NSTEP Goals/Objectives does this project meet? Objective #3

Requested equipment will be located/installed/housed? Building: Rapides Medical Arts Imaging Lab and Warrington Imaging Lab

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:  Date: 10/29/07

Grant Proposal Requested Amount: \$ 3,054.60 Budget Attached (circle one): YES/NO

Grant delivered to Student Technology located in Watson Library, Room 113. Date _____

The grant 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 to requestor.

<p>1. Describe target audience.</p> <p>The audience for this proposal is comprised of the Radiologic Technology students in the clinical phase of their education on the Alexandria campus and the Shreveport Campus. Currently, there are 20 students enrolled in the clinical phase of the program on the Alexandria campus and 40 enrolled on the Shreveport Campus. In the spring of 2008, another 10 students will be admitted to the Alexandria campus and 20 more will be added to the Shreveport Campus for a grand total of 90 students using the requested equipment.</p>
<p>2. Describe project/initiative for which you are requesting funds.</p>

With the growing infusion of technology in all phases of clinical radiology in the contemporary health care environment, Radiologic Technology students are mandated to gain critical clinical skills required for safe patient care and future employment. The purpose of this proposal is to secure (2) digital temperature and blood pressure units to enable enrolled students to become competent in measuring these vital signs within a simulated laboratory environment prior to experiences with actual patients. The addition of this equipment will enable the students to gain these skills utilizing both the current "older" equipment and newer digital equipment, which is not available in the simulation laboratory in Alexandria and Shreveport. The mastery of these clinical skills will enable the students to meet yet another requirement of the registry examination upon completion of the program.

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

- Students will demonstrate competency taking blood pressure and temperatures, utilizing the digital temperature and blood pressure unit.
- Students will competently measure blood pressure and temperatures on actual patients within the health care setting utilizing both standard and digital equipment.
- Students will compare and contrast the readings done with manual equipment to the readings achieved on the digital unit.

4. Indicate how each project objective will be evaluated.

- Faculty will validate the student's ability to obtain accurate blood pressure and temperature readings using the digital unit.
- Faculty will use the student's scores on laboratory assessments using the digital temperature and blood pressure unit to meet program goals and objectives related to technology.
- Students will demonstrate competency in assessing vital signs on the registry exam for professional practice.

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

This project will advance the following objective:

Objective #3- To upgrade student technology laboratories with modern technology

The College of Nursing's technology plan includes upgrading all simulation laboratories with equipment that closely mirrors the technology that is utilized within the healthcare environment. The addition of this device will support and advance this plan.

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

- An average of 90 students per semester will have access to this digital temperature and blood pressure unit. The lab is available to students for use anytime they need to practice certain procedures. In the spring semester of each year, approximately 30 students are required to use this equipment to demonstrate competency in obtaining blood pressure readings.
- Due to the infrequency of some imaging exams that require blood pressure readings to be taken, simulation of these skills is done in the laboratory. With the help of this digital blood pressure device, students can still receive the repetition necessary to become competent with this procedure without having access to a patient.
- Students can use the digital temperature and blood pressure unit an innumerable amount of times on each other or on faculty in the laboratory without any inconvenience or injury to a real patient.

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.

Laura Aaron, PhD, RT(R)(M)(QM): Program Director

Kelli Haynes, MSRS, RT(R): Clinical Coordinator

Becky Britt, MSRS, RT(R)(M)

Tammy Curtis, MSRS, RT(R)

Kendall Delacerda, MSRS, RT(R)

Kari Cook, MSRS, RT(R)

Ben Wood, MSRS, RT (R)

- The above faculty members are assigned to either the Shreveport or Alexandria campus for the Radiologic Technology Program. Because the faculty hold a substantial number of years in the clinical setting as well as the educational setting, faculty are able to provide instruction and supervise students in the use of the digital temperature and blood pressure unit to meet the objectives of this proposal.

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

Faculty will be overseeing the use of the equipment in the laboratory setting. No additional personnel will be needed to meet the objectives of this proposal.

9. Provide a schedule for implementation and evaluation.

- Decision to fund proposal: November, 2007

- Monies made available during first quarter of 2008
- Digital blood pressure device to be ordered the week monies become available
- Shipping time is 2-4 weeks
- Implementation in laboratory to begin the first week of April, 2008
- Evaluation to begin immediately upon receipt of the equipment in the lab by the faculty.

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

The lifespan of the equipment is expected to be approximately 10-15 years. No upgrades are expected or any additional maintenance required.

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 equipment will be stored in a locked laboratory. The only people who have access or a key to this laboratory are the faculty and the security guard onsite. The students will only be able to use the equipment with a faculty member present.

The equipment will not be allowed to be checked out to students or removed from campus for any reason.

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).

Student Technology Fee Grant Proposal Checklist:

- | | |
|----------------|--|
| <u> X </u> | Is all information requested provided (items 1 – 11)? |
| <u> X </u> | Is a detailed budget attached? |
| <u> X </u> | Is all specifications, description, model number, quotation, cost, state contract number, and vendor provided for each item? |
| <u> X </u> | Are your two (2) letters of support attached? |
| <u> N/A </u> | If equipment is to be checked-out/loaned, is your policy attached? |

RADT

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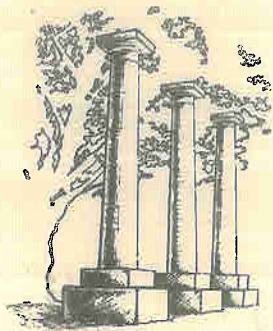
REBECCA BRITT
NORTHWESTERN STATE UNIVERSITY
1800 LINE AVE
SHREVEPORT, LA 71101-4653

60724 06 /06 V /MSV12 QUOTATION

(318) 677-3066 0.0 0 UPC

Please email quote to brittb@nsula.edu fax 318-677-3068

2	01-24-4202	Welch Allyn SPOT Vital Signs Each NIBP, & Temp	1195.0000	--	2390.00
2	01-24-4204	Welch Allyn SPOT Mobile Stand Each Stand ONLY	219.0000	--	438.00
2	01-20-2063	WA Adult Cuff for Spot VSM Each	24.1500	--	48.30
2	01-20-2073	WA Large Adult for Spot VSM Each/ for VSM	24.1500	--	48.30
					MERCHANDISE INVOICE TOTAL \$ 2924.60
					SHIPPING & HANDLING \$ 130.00
					INVOICE TOTAL \$ 3054.60



Northwestern State University

A Member of the University of Louisiana System



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PlanchockN@nsula.edu

October 24, 2007

Student Technology Fee Grant Review Committee
Northwestern State University
Natchitoches, LA 71497

Members of the Committee,

On behalf of the students and faculty in the Radiologic Technology program, this letter will serve as my strong support of the proposal submitted by the Radiologic Technology program to acquire digital blood pressure and temperature assessment equipment for the Shreveport and Alexandria campuses. The emphasis on supporting student learning through the provision of technology-advanced equipment is not only imperative, but a mandate by the accrediting and licensing agencies for Radiologic Technology programs. Our students must become clinically competent in the performance of these skills as they have become a critical component of the patient assessment practice within the health care environment within which they will be employed. It is, therefore, essential that the College of Nursing increase its level of technology integration within the existing learning environment and your approval of this proposal will foster our initiative in that regard.

I urge the Committee members to act favorably on this proposal. In so doing, the students will be the benefactors of greater learning support and opportunities. I look forward hearing of your approval action in the near future.

Sincerely,

Norann Y. Planchock, PhD, APRN, BC, FNP
Dean and Professor
College of Nursing

Shreveport Student Government Association

October 24, 2007

Information Technology Fee Grant Committee
Northwestern State University
Natchitoches, LA 71497

Committee Members,

On behalf of the Shreveport Student Government Association (SSGA), it is my pleasure to offer this letter in support of the proposal by the Radiologic Technology program to acquire digital blood pressure and temperature measuring equipment for the Shreveport and Alexandria learning laboratories. Learning these clinical skills has become a critical component of the Bachelor of Science in Radiologic Technology (BSRT) curriculum and this equipment is requisite to students becoming efficient in these procedures. The provision of this equipment will assist the near 300 BSRT students to be better prepared to fulfill the practice expectations when they graduate - - - they will be more competent practitioners and thus, more readily employable in their chosen field.

The practice of Radiologic Technology is continuously being enhanced by the infusion of cutting-edge technology and it is essential that we assist our students to be educated utilizing the latest and best technology available. This grant will enhance the integration of advanced technology for BSRT students.

Please consider supporting this proposal in a favorable manner. If I can be of assistance to the committee, please do not hesitate to call upon me.

Respectfully,



President
SSGA