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Office of the Dean

SCHOOL OF HEALTH AND ENVIRONMENT

To: Colleen Phelan
Student Government President

From: Kay Doyle Ph.D., MT(ASCP)^{CM}
Interim Dean

Date: March 27, 2009

Re: School of Health and Environment Student Laboratory Fee Implementation

As requested, a financial report on the School of Health and Environment (SHE) Student Laboratory Fees Budget for FY09 is attached. Based on the number of undergraduate students in SHE, the School was to receive a budget of \$360,000 from this fee for FY09. The information we previously received from Administration and Finance (A & F) was that \$247,041 had been collected by the end of February. We have spent \$197,127 to date. Yesterday, we received an email from A & F that states that an additional \$116,206 has been collected for a total of \$363,247 for this budget. The remaining money is being spent on laboratory equipment for Exercise Physiology, Nursing and Clinical Lab Sciences labs as well as for equipment for the Health Science Service lab courses (i.e. A & P, Physiological Chemistry, and Basic Clinical Microbiology) which all of the SHE students are required to take. We are beginning the process of getting price quotes for this lab equipment.

This fee enabled SHE to create student friendly spaces, buy equipment and supplies for undergraduate labs, classrooms and other student related projects that would not have been done without these funds. A description of the spending is as follows:

Student Study/Lounge Areas

The Weed Hall lobby on the first floor was painted, new flooring and lightening was installed, plants, and new furniture, both comfortable chairs as well as tables and chairs, were bought with these funds. This renovation literally transformed the lobby. What was literally just a walk through area during the change of classes now has become a place for students to socialize, study, eat, nap, use their computer, and do projects. It has transformed the lobby into a very successful common area that is well used by SHE students.

Because of this success, we decided to have the second floor atrium that overlooks this lobby remodeled over spring break. Similar renovations were done and we have purchased additional tables and chairs to increase the space available for student use.

Lecture and Lab Computers

SHE does not charge our students for printing in the Weed Hall student computer labs. Each SHE student has an access code to be able to print. We purchased additional toner cartridges for the printers since many SHE students use them to print out assignments, lecture notes, etc. for their classes with online materials. In addition, because the vast majority of SHE faculty teach with technology, we also upgraded the computer systems in all three lecture halls and the Weed 318 classroom. This enables the faculty to have the best system available that is compatible with the newest software and is able to display all graphics clearly.

Online Course Assistance

To assist faculty with online course work, P. Sastry was hired to help faculty in each department with online material preparation, uploading, etc. This work is currently in progress.

Laboratory Supplies and Equipment

Supplies for the Health Sciences service lab courses (i.e. Anatomy & Physiology I and II, Physiological Chemistry I and II, and Basic Clinical Microbiology), and Clinical Laboratory Sciences, Nursing, and Exercise Physiology labs were purchased for use during this academic year. This money allowed for many lab upgrades that would not have been possible. Lab equipment was purchased for Blood Bank, Clinical Lab Instrumentation, Organic labs and Exercise Physiology labs to facilitate individual student use of the equipment.

Community Health and Sustainability

Video and audio equipment (camcorder, microphone, computer, iPod) was purchased to improve students' ability to make video and audio health promotion messages as well as video productions in Service Learning projects with community partners. The equipment is available to be shared with other UML students through Media Services with SHE students having priority to use it.

Clinical Laboratory and Nutritional Sciences

This department teaches not only upper level laboratory courses for their own majors (Clinical Laboratory Sciences, Nutritional Sciences), but they also teach all of the health science service courses, both lectures and labs (Anatomy & Physiology I and II, Physiological Chemistry I and II, Basic Clinical Microbiology. This Department teaches close to 80 lab sections/year. All of the students in the School of Health and Environment are required to take the health science courses with the labs.

Student Lab Assistants and Teaching Assistants

Three undergraduate students were hired as lab assistants using these funds to help the staff prep the large service course labs, assist with large labs when an instructor needed help, and clean up and restock after the labs were taught. One of the senior students was also hired to assist a staff instructor teaching a very large student Clinical Microbiology lab to provide the students in the course more individualized attention to learn the techniques being taught.

Three half graduate teaching assistants were paid for with these funds to assist the faculty teaching very large (100+ students/class) lecture service courses (i.e. A & P and Basic Clinical Microbiology) and/or labs with student tutoring, web based course related research, exam correcting, etc. One full-time graduate teaching assistant was hired to help faculty supervise and teach multiple undergraduate student research and directed study projects so that the each student has individualized direction for their capstone projects.

Nursing

Adjunct Faculty and Service Plan

An adjunct faculty member dedicated to assisting Nursing students with the Sim Man and Sim Baby mannequins funded through Department of Higher Education grants was hired with these funds. This faculty member has conducted special tutorial sessions for students to enable them to become proficient with simulated clinical patient situations prior to their clinical rotations with real patients. In addition, the service plan (maintenance) contract for one of the mannequins was also paid for with these funds.

Computer Licenses

Computer licenses for PDAs used by the students to access health related information (i.e. lab tests, drugs, nursing care) during their labs and clinical rotations were purchased with these funds. Currently, Nursing is in the process of purchasing necessary video and computer items as well as the installation cost for the Sim “Family”Lab. This will provide state-of-the art equipment to allow both the the instructors and the students to maximize the teaching and learning process with the computerized Sim Man and Sim Baby mannequins for the nursing labs.

Physical Therapy

Exercise Physiology Clinical Internship Assistants and Student Travel

Two Physical Therapy students were hired to assist the faculty with Exercise Physiology undergraduate students’ clinical internships. They are involved with clinical site development, weekly visits to the site to assess student success, paperwork related to the internship, etc.

Registration fees, lodging and travel for Exercise Physiology students to the New England American College of Sports Medicine (NEACSM) meeting in the fall as well as reimbursement for faculty who accompanied the students to the meeting were paid for. These students competed in an Exercise Physiology Quiz Bowl and placed 4th out of 16 college teams!

Computer Software Licenses

Dartfish motion analysis software was purchased to enable Exercise Physiology students to learn how to analyze physical activity quantitatively in their Kinesiology labs. Using video equipment with this software, groups of students are able to do kinematic analysis such as comparing novice and professional sports players’ movements. Several software packages were purchased to allow multiple students to work simultaneously on their projects in supervised groups in the lab.

School of Health and Environment Student Lab Fee Expenses	Expenditure
School	
Weed Lobby and Second Floor renovations, furniture	25,560
Toner for Computer Labs	354
Computers (Weed Lecture Halls and 318)	1,559
Community Health and Sustainability	
CHS Equipment	8,058
Web Help	1,000
Physical Therapy	
Equipment and Software Licenses	11,324
Student Clinical Assistants	6,720
Student Field Trips	1,857
Lab Supplies	741
Web Help	1,000
Clinical Laboratory and Nutritional Sciences	
Lab Supplies	43,599
1/2 TA Match	32,198
Lab Assistants	6,120
Equipment	10,260
Web Help	1,000
Nursing	
Software licences	3,600
Tutorial Faculty	14,420
Lab Supplies	5,257
Web Help	1,000
Service Plan/Warranty	6,500
Sim Lab (Computers, video equipment)	15,000
Total	197,127

The remaining money that was just recently collected (\$166,120) will be spent on student lab equipment for the Health Science service course labs (i.e. A & P, Physiological Chemistry), Clinical Laboratory and Nutritional Sciences, Exercise Physiology, and Nursing labs.

