

Request for Additional Lottery allocation 2014 – 2015
BHES/ Anita Muthyala-Kandula

1. What will the money be used for? (i.e., software, videos, etc.) Please see attached for allowable items.

BIOLOGY:

- lab materials including pipette tips, reactants, chemicals, testing kits, specimens and samples; simple equipment
- prepared biological specimen slides and embedded specimens
- disarticulated appendicular bones (femur, tibia, fibula, pelvic bone, scapula, humerus, radius, ulna)· medical grade skulls· vertebrae sets· arm models· leg models
- cell, organ, system models
- class notes, handouts

Additional amount requested - \$ 35,000

HTEC

- Lab supplies –needles, syringes, gloves, EKG paper
- closed captioned DVD's for the Medical Terminology and Phlebotomy classes
- Class notes, handouts

Additional amount requested - \$ 2,000

MLT

- Lab supplies –needles, syringes, gloves, EKG paper
- Software by Views IQ panoptiq: interactive digital slide imaging system that allows the instructor and the class to view the slide at the same time and in real time
- hand held counter for cell counts and a spectrometer
- updated reference books
- videos especially in Hematology and Microbiology
- on line reference : Anaerobe Educator: a way for students to practice anaerobic organism identification on line at their own speed
- Class notes, handouts

Additional amount requested - \$ 2,000

NURSING:

- close-caption all of our remaining DVDs and videos to meet the needs of all students in the nursing program that may have ADA needs
- Class notes, handouts

- **Additional amount requested - \$ 2,000**

ES/ESCI

- 12 interpretation signs that are used at each plant community in the ESA
- replacement plant and animal models
- 10 boxes of No-Tear laser printer paper for updated signage in the ESA
- jblearning.com software

Additional amount requested - \$ 5,000

How many students will benefit from this purchase?

These purchases will benefit all students within the departments/programs – (numbering in thousands* for the division)

Biology - 7271

ES/ESCI – 4974

HTEC – 2389

MLT – 415

NURS – 1871

**Enrollment numbers taken from 2013-2014 data sheets.*

How does this enhance your Equity Goals?

Many students taking courses in Biology, Nursing, HTEC, MLT and ES have busy schedules, outside jobs and family responsibilities and limited access to specimens/processes and models. Having slides, models, bones etc outside of class time allows students access to class materials for study and practice outside of lab and at varying times.

Having the ability to actually conduct experiments in the classroom and having lab materials available gives students hands on experience and makes the content more understandable and relevant essential for student success.

Including resources that allow students to move at their own pace, having teachable slides to every student in real time and having adequate updated instrumentation/equipment that is working properly will provide all students with enhanced learning experiences and give students who need extra help or time in mastering the information an opportunity for that learning experience.

Videos will also enhance our Student Learning Outcomes by reinforcing and better understanding of the lecture the students will be receiving prior to the video. Most importantly it will reach out to those students that are visual learners

Having websites that feature simulated experiments allow the students to repeat experiments and review content at their own pace.

How does this enhance your Student Learning Outcomes?

In order for students to achieve the SLO outcomes, they need the resources that are current and can aide in their learning. Experience with enough experimentation and equipment prepares our students not only to meet course level and department level SLOs but also for transfer level work and for the workforce. We need the additional funding to serve the numbers of students in our classes with supplies, models and equipment that is working and functioning properly, and that reflects the technology in today's laboratory and settings.

Was this noted on your Program Review?

Yes, all departments requested augmentations in budget to support instruction in the classroom.