

EQUIPMENT NEEDS ASSESSMENT APPLICATION
Fall 2015

Name of Person Submitting Request:	Lorrie Burnham
Program or Service Area:	Biology
Division:	Science
Date of Last Program Efficacy:	2013
What rating was given?	Continuation
Equipment Requested	Microscope slides and slide storage cabinets
Amount Requested:	\$5423
Strategic Initiatives Addressed: (See Appendix A: http://tinyurl.com/15oqoxm)	Goal 2. Student Success 2.5.2 – Persistence 2.6.3 – Increase graduation rate 2.6.3 – Increase transfer rate

NOTE: To facilitate ranking by the committee, submit separate requests for each item; however, multiple items can be submitted as one request if it is required that the equipment is packaged together.

Replacement Additional

1. Provide a rationale for your request.

This request is to purchase prepared microscope slides and slide storage cabinets. This request is an on-going need in several Biology courses: Bio 155, Bio 250, Bio 251, Bio 260, Bio 261, Bio 205, and Bio 206 (Anatomy and Physiology I and II, Human Anatomy, Human Physiology, Cell and Molecular Biology, and Organismal Biology). The curriculum in these courses is based on the exploration of a diversity of cells and organisms under the microscope. To help understand what trillion cells in the human body do, it is essential to show students and let them experience the anatomical differences and the diversity in cells because all of them can give rise to cancer or are impacted by disease in some form.

This request will provide supplies to teach the courses listed adequately. Currently the Department's slide collection does not support every course and it does not support a broad scope of examples. We currently have to divert resources between courses.

2. Indicate how the content of the latest Program Efficacy Report and current EMP data support this request. How is the request tied to program planning? (*Reference the page number(s) where the information can be found on Program Efficacy.*)

The 2013 Program Efficacy document, Planning Section, p17-18 illustrates the high demand for Registered nurses.
 2015 EMP, Program goals, plan for re-expansion.

Any lab experiment listed in the aforementioned courses that rely upon the viewing of prepared slides will require these pieces of equipment. Therefore the necessity of prepared slides can be linked to any laboratory COR items where the use of a microscope is required.

3. Indicate if there is additional information you wish the committee to consider (*for example, regulatory information, compliance, updated efficiency, student success data, planning, etc.*).

4. Evaluation of initial cost, as well as related costs (including any ongoing maintenance or updates) and identification of any alternative or ongoing funding sources (*for example Department, Budget, Perkins, Grants, etc.*).

The amount requested is for slides and slide storage. There is no alternative funding sources for this item.

5. What are the consequences of not funding this equipment?

There are no alternative funding sources for this equipment. Thus it will compromise the completion of SLOs that evaluate anatomy learning. Not having these resources could lead to suspension of critical labs in both anatomy and physiology and organismal courses.