

EQUIPMENT NEEDS ASSESSMENT APPLICATION

Name of Person Submitting Request:	Mark Ikeda
Program or Service Area:	Biology
Division:	Science
Date of Last Program Efficacy:	Spring 2009
What rating was given?	Expansion
Equipment Requested	Hot Plate Stirrers
Amount Requested:	\$2800
Strategic Initiatives Addressed:	Student Success, Technology

1. Provide a rationale for your request.

The hot plate stirrers are equipment for laboratory preparation and laboratory experimentation to be used in association with courses in Human Anatomy & Physiology and Human Physiology (Bio 155, Bio 250, Bio 251, Bio 261). In the process of preparation of solutions for lab experiments associated with these courses, and to for use in lab experiments, the lab technician must have access to hot plate stirrers.

2. Indicate how the content of the latest Program Efficacy Report and/or most current EIS 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.*)

Data acquired from EIS Science Division summary sheets for academic years '10-'11, '11-'12, and Fall of '12 indicates annual enrollments in the biology courses listed above averages approximately 680 students.

The 2009 Program Efficacy document (p7 Allied Health Prep # of students) illustrates the high percentage fill rate for Allied Health Prep Program and large numbers of enrolling students in the courses listed above.

Any lab experiment listed in the aforementioned courses that relies upon availability of solutions in the lab will require these pieces of equipment. Therefore the necessity of hot plate stirrers can be linked to any laboratory COR items where solutions must be prepped, or available in the lab.

3. Indicate if there is additional information you wish the committee to consider (*for example: regulatory information, compliance, updated efficiency and/or student success data or 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, VTEA or Perkins)

The amount requested is for nine hot plate stirrers. The stirrers that the Department currently possesses cannot heat solution and were purchased over 20 years ago. There are no alternative funding sources for these items.

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

Proper laboratory preparation cannot be performed without these items and a variety of laboratory experiments in the aforementioned courses will no longer be able to be offered.