

EQUIPMENT NEEDS ASSESSMENT APPLICATION
Fall 2017

Name of Person Submitting Request:	Tatiana Vasquez
Program or Service Area:	Biology
Division:	Science
Date of Last Program Efficacy:	Spring 2018
What rating was given?	Continuation
Equipment Requested	Precision Balances
Amount Requested:	\$1800
Strategic Initiatives Addressed:	Goal 1, Access Strategic Directions + Goals Goal 2, Student Success

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

Are there alternative funding sources? (for example, Department, Budget, Perkins, Grants, etc.)

Yes NO X

If yes, what are they? _____

1. Provide a rationale for your request. (Explain, in detail, the need for this position.)

Mass determination by use of a precision balance is a required step for many laboratory activities in the general/majors biology program. The precision balances currently used were purchased in 1997. Electrical power sources are failing and parts are missing and damaged. Replacement parts cannot be obtained due to the age of the balances. At present the program has four working precision balances and only three functional power supplies. The speed of attrition that would normally be expected is thus increased by increased use.

Replacement to new technology is imperative to the performance in laboratories for GE lab courses for both majors and non-majors Biology. Many experiments are dependent on the use of these precision balances.

2. Indicate how the content of the department/program's latest Efficacy Report and/or current EMP supports this request and how the request is tied to program planning. (*Directly reference the relevant information from your latest Efficacy Report and/or current EMP in your discussion.*)

2017 Program Efficacy Pattern of Service (p. 7), explain the different areas that we support in the department while having challenges with budget limits (Program Efficacy Report p. 20) to support renovation and replacement of vintage technology. The ability of the Biology Dept. to teach labs is contingent upon having the necessary resources.

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

4. Indicate any related costs (including any ongoing maintenance or updates) and department/program's plans to support those costs.

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

- Limited implementation of laboratories of Biology majors and non-majors courses.

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