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:	**Spring 2013**
What rating was given?	**Continuance**
Equipment Requested	**Electrophoresis equipment**
Amount Requested:	**$2200.00**
Strategic Initiatives Addressed: (See Appendix A: http://tinyurl.com/l5oqoxm)	**Strategic Goals of Student Success #2: 2.6.2; 2.6.3; 2.6.3.1 and .2; 2.6.5**

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 X

1. Provide a rationale for your request.

The electrophoresis equipment is utilized in laboratory experimentation associated with Microbiology (Bio 270) courses. Currently we are limited in the electrophoresis systems and power supplies. There is just not enough room on the electrophoresis systems for each student to run a sample. There are also not enough electrophoresis power supplies to spread out around the room, which leads to cramped working space for students.

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 DNA analysis will require these pieces of equipment. Therefore the necessity of electrophoresis equipment can be linked to any laboratory COR items where the analysis of DNA is done.

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 two electrophoresis systems and two power supplies. There is just not enough systems to run student samples without leaving other crucial samples out. There are

also not enough power supplies to run the systems without crowding students together. There is no alternative funding sources for these items.

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

The consequences of not funding this equipment means that we will not have currency in our labs because we will be unable to analyze DNA