TECHNOLOGY NEEDS ASSESSMENT APPLICATION

Technology: Programs should list the technology needed to provide ongoing service or instruction, and an approximate cost of the request. Requests for one-time programmatic equipment should be listed in the appropriate category above. *Technology that is listed in this category will be forwarded to Campus Technology Services to evaluate through their own processes.*

Name of Person Submitting Request:	**Romana Pires**
Program or Service Area:	**Sociology and Anthropology**
Division:	**SSHDPE**
Date of Last Program Efficacy:	**2011**
What rating was given?	**Continuation**
Amount Requested:	**$110,000-$125,000**
Strategic Initiatives Addressed:	**Access, Success, Technology**

Replacement ☐ Growth

1. What technology equipment are you requesting?

150 lap tops using a Windows Operating System, portable laptop storage carts with charging capacity to hold and store the 150 laptops, other possible needed equipment (cables, chargers, surge protectors, etc.), IBM-SPSS software licenses, 3 wireless printers. This request assumes that other programs in the division would have access to laptops when not in use.

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.)*

Most sociology and anthropology faculty use the classroom smart technology. Sociology courses in particularly require students to analyze data and understand research methods (Course Outline of Record). Both programs now offer the new AA-T degrees (Efficacy, 2011). Departmental goals have focused on regaining sections that were cut and as the college is now in growth mode, FTES are expected to increase (EMP). In 2012, the department produced 204 FTES (EMP). The Student Success Act focuses on accountability and colleges increasing student success rates. SBVC strategic initiatives goals include access to technology. ***The SSHDPE division is the largest division at SBVC but students lack access to computers in the classroom or a division computer lab***. Laptop carts would allow faculty to focus on interactive student learning rather than traditional lectures, increasing success. Teaching methods now include the "flip-model" which involves students engaged in class activities in the classroom rather than traditional lectures (http://tinyurl.com/kftpv84). The institutional student learning outcome of *Information Competency* (including 2.1 subset *"find and interpret information*") is incorporated into all sociology and anthropology courses. Laptops in the classroom can be used to demonstrate how to find information online. Specifically in sociology but also in anthropology there exist numerous opportunities for students to use online resources in the classroom including Census, BLS, CDC, DOJ, and other government data and databases that require students to have access to computers. Workshops can be held for online students to demonstrate some of the technical aspects of Bb and online learning which would increase student retention and student performance. Having access to SPSS statistical software will allow students seeking the transfer degrees to prepare for statistical

courses. Faculty teaching honors courses (SOC 100H, SOC 110H - fall 2015, ANTHRO 106H, ANTHRO 102H - fall 2015, and ANTHRO 222) can work with students on research projects that require statistical data analysis.

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

The student population of both programs reflect the diversity of students at SBVC. Campus demographic data (fall 2009 to fall 2012), indicates that approximately 69% of the students attending SBVC are Black and Hispanic (Efficacy Report). According to U.S. Census data from 2011, only about 60% of Black and Hispanic households were likely to use the internet in their homes (http://www.census.gov/hhes/computer/files/2011/p20-568.pdf). According to 2011 U.S. Census poverty rates in San Bernardino city: (http://tinyurl.com/l2rvera), the per capita money income from 2007-2011 was $15,762 and persons living below the poverty level in 2007-2011 was 28.6%. These numbers demonstrate that low income is a likely contributor to the lack of household access to computers and the internet in Black and Hispanic households. Computer access in classes that require statistical analyses of data would benefit these students by helping them develop skills useful for transfer to 4-year colleges and the workplace. Having laptops for students would support the Strategic Initiative of Technology (goals 6.1 and 6.2). Sociology courses would be able to incorporate "*2.3 Utilize technology to organize and present information"* to the learning outcome of *Information Competency*.

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 or Perkins)

Initial cost involves the equipment and labor to set up the computers and install software. Once set up, ongoing maintenance would be needed to periodically check the equipment. The carts could be used in any room so there is no loss of classrooms and this would be cheaper than a standalone computer lab. Instructors would need to be responsible for checking laptops out to students and checking the laptops back in. There may be additional costs with respect to keeping the equipment secure. The following is an estimate of the costs:
$75,000. 00 for 150 lap tops at $500.00 each using a Windows Operating System
$16,000 for enough carts to possibly charge, secure and transport 150 laptops
$16,000 12 month Standard SPSS, version 21 or 22 software license fees for students/6 faculty
$1,000 for 3 wireless printers to be contained in the carts with the lap tops
The estimate of $110,000- $125,000 includes estimated taxes and any additional purchases.
Ongoing costs would be for renewing the software licenses each year ($16,000), repair and maintenance of the laptops, carts and printers.

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

Students will transfer lacking computer skills to support them in their major and careers. The college mission of providing quality education and services to a diverse community of learners will not be met without increasing student access to computers in the classroom.