

## Program Efficacy Team Report (Instruction)

2018 – 2019

Name of Department: Geography-GIS

Efficacy Team: Krista Ornelas-Mora, David Smith, Melissa King

Overall Recommendation:

Continuation       Conditional       Probation

### Rationale for Overall Recommendation:

The Geography-GIS department has provided a thorough efficacy report and included many problem-solving solutions to its challenges. The department is actively committed to meeting student needs and has established a 19-unit certificate that can be completed in 2 semesters. The committee commends the department for providing a detailed 1-year, 3-year and 5-year department goal for each program. The department is working on providing more outreach and is actively accessing its SLO and PLO data. Overall, the department has earned a rating of “continuation” with each

### Part I: Questions Related to Strategic Initiative: Increase Access

**Goal: SBVC will improve the application, registration, and enrollment procedures for all students.**

SBVC Strategic Initiatives: [Strategic Directions + Goals](#)

	<b>Does Not Meet</b>	<b>Meets</b>	<b>Exceeds</b>
<b>Demographics</b>	The program <b><u>does not provide</u></b> an appropriate analysis regarding identified differences in the program’s population compared to that of the general population.	The program <b><u>provides an analysis</u></b> of the demographic data and provides an interpretation in response to any identified variance.  The program <b><u>discusses the plans or activities</u></b> that are in place to recruit and retain underserved populations as appropriate.	In addition to the meets criteria, the program’s analysis and plan <b><u>demonstrates a need</u></b> for increased resources.
<b>Pattern of Service</b>	The program’s pattern of service is <b><u>not related to the needs of students.</u></b>	The <b><u>program provides</u></b> evidence that the pattern of service or instruction meets student needs.  The program <b><u>discusses the plans or activities</u></b> that are in place to meet a broad range of needs.	In addition to the meets criteria, the program <b><u>demonstrates that the pattern of service needs to be extended.</u></b>

Does Not Meet       Meets       Exceeds

**Efficacy Team Analysis and Feedback:**

Demographics: The demographics of the Geography-GIS program closely resemble that of the campus with a few exceptions. The largest variance is 13.5% for 20-24 age group. The department explains that many students perceive geography courses as being “easy” and less daunting than other physical sciences. The department plans to increase representation by Hispanic, Female and Students with Disabilities by exposing students to “geospatial technologies”. The department is also aware of other opportunities such as having a panel discussion on GIS jobs, hosting local meetings, increasing Geography Awareness week activities and marketing the Geography Club. The GIS program now has faculty attending local high school career fairs and they see value in participating in STEM related events which would allow for more exposure to their program.

Pattern of Service: Both Geography and GIS programs offer a variety of schedules. Classes are offered in the morning, afternoon and in the evening. The department offers some interactive television (ITV) sections and some courses are offered in an online, eight-week format. Hybrid courses are available as well. GIS students currently have the opportunity to complete the 19-unit certificate within two semesters.

**Part II: Questions Related to Strategic Initiative: Promote Student Success**

**Goal: SBVC will increase course success, program success, access to employment, and transfer rates by enhancing student learning.**

SBVC Strategic Initiatives: [Strategic Directions + Goals](#)

	<b>Does Not Meet</b>	<b>Meets</b>	<b>Exceeds</b>
<b>Data/Analysis demonstrating achievement of instructional or service success</b>	Program <b>does not provide an adequate analysis</b> of the data provided with respect to relevant program data.	Program <b>provides an analysis</b> of the data which indicates progress on departmental goals.	In addition to the meets criteria, the program <b>uses the achievement data</b> in concrete planning and <b>demonstrates</b> that it is prepared for growth.
<b>Service Area Outcomes and/or Student Learning Outcomes and/or Program Level Outcomes</b>	Program <b>has not demonstrated</b> that it is continuously assessing Service Area Outcomes (SAOs) and/or Student Learning Outcomes (SLOs) and/or Program Level Outcomes (PLOs) based on the plans of the program since their last program efficacy.  Evidence of data collection, evaluation, and reflection/feedback, and/or connection to area services is <b>missing or incomplete</b> .	Program <b>has demonstrated</b> that it has fully evaluated within a four-year cycle and is continuously assessing <u>all</u> Service Area Outcomes (SAOs) and/or Student Learning Outcomes (SLOs) and/or Program Level Outcomes (PLOs).	In addition to the meets criteria, the program <b>demonstrates that it has fully incorporated Service Area Outcomes (SAOs) and/or Student Learning Outcomes (SLOs) and/or Program Level Outcomes (PLOs) into its planning, made appropriate adjustments, and is prepared for growth.</b>

Does Not Meet       Meets       Exceeds

**Efficacy Team Analysis and Feedback:**

**Data/Analysis**

Geography: The program’s success and retention rates have improved over the last 5 years. There was a steady decline in WSCH from 2013-2014 to 2016-2017, then an increase in 2017-2018. This decline was likely due to an improving economy with students leaving college and entering the job market, allowing low-enrolled sections to continue and less proactive marketing of the program. The committee commends the department for trying to meet student needs by providing additional sections as well as allowing smaller class sizes.

GIS: The program’s success and retention rates have steadily declined over the past 5 years; this may be due to faculty not dropping students who are no longer attending classes. WSCH dropped from 241 down to 132 over the last 5 years. The department believes that it may not be meeting the students’ needs by offering so many online courses. Online courses leaped from 0% to 50% in 5 years.

**SAO/SLO**

Geography and GIS faculty discuss SLO and PLO data during department meetings where they aim at improving individual course SLOs.

Geography: About 79% of students have met the program’s three SLOs. Education is refined as a result of regular faculty meetings; new teaching methods have resulted, including flipped classroom models, new exams, quizzes and lab exercises.

GIS: Three of five program level SLOs have been accessed and many of the SLOs need to be updated to reflect the current curricular. The department realizes that faculty sometimes fails to report SLO data to the online SLO Cloud system. To resolve this issue, faculty will be advised to regularly report SLO data during each semester.

**Part III: Questions Related to Strategic Initiative: Improve Communication, Culture & Climate**

**Goal: SBVC will promote a collegial campus culture with open line of communication between all stakeholder groups on and off-campus.**

SBVC Strategic Initiatives: [Strategic Directions + Goals](#)

	<b>Does Not Meet</b>	<b>Meets</b>	<b>Exceeds</b>
<b>Communication</b>	The program <b><u>does not identify</u></b> data that demonstrates communication with college and community.	The program <b><u>identifies</u></b> data that demonstrates communication with college and community.	In addition to the meets criteria, the program <b><u>demonstrates</u></b> the ability to communicate more widely and effectively, <b><u>describes</u></b> plans for extending communication, and provides data or research that <b><u>demonstrates</u></b> the need for additional resources.
<b>Culture &amp; Climate</b>	The program <b><u>does not identify</u></b> its impact on culture and climate or the plans are not supported by the data and information provided.	The program <b><u>identifies and describes</u></b> its impact on culture and climate. Program <b><u>addresses</u></b> how this impacts planning.	In addition to the meets criteria, the program provides data or research that <b><u>demonstrates</u></b> the need for additional resources.

Does Not Meet       Meets       Exceeds

**Efficacy Team Analysis and Feedback:**

Communication: Both programs have webpages, a Facebook page, off-campus high school outreach, new flyers and a marketing video in progress. They also host occasional workshops and participate in high school counselor events. The department states the Geography club and future GIS club will coordinate with other SBVC student organizations to support a variety of events on and off-campus.

Culture & Climate: Both programs can assist in campus safety and planning by using GPS and GIS data. Students and faculty have already shared this with the appropriate campus administrators and committees who complete future planning for the campus, such as where to create future walkways, parking lots, bicycle racks and more. Faculty is involved in various campus committees and campus events including Professional Development, Zero Textbook Cost committee and Program Review.

**IV: Questions Related to Strategic Initiative: Maintain Leadership & Promote Professional Development**

**Goal:** SBVC will maintain capable leadership and provide professional development to a staff that will need skills to function effectively in an evolving educational environment.

SBVC Strategic Initiatives: [Strategic Directions + Goals](#)

	Does Not Meet	Meets	Exceeds
<b>Professional Development</b>	The program <b>does not identify</b> currency in professional development activities.	Program <b>identifies current avenues</b> for professional development.	In addition to the meets criteria, the program shows that professional development has <b>impacted/expanded</b> the program and <b>demonstrates</b> that the program is positioning itself for growth.

Does Not Meet       Meets       Exceeds

**Efficacy Team Analysis and Feedback:**

Geography and GIS faculty regularly attend and participate in different conferences and workshops. By attending these events, faculty are able to network and specifically learn skills on how to directly improve student learning and success. Faculty and students participate in local, regional and international conferences and workshops. New teaching “modalities and pedagogies” have often been obtained and used as a result of attending these events.

**V: Questions Related to Strategic Initiative: Effective Evaluation & Accountability**

**Goal:** SBVC will improve institutional effectiveness through a process of evaluation and continuous improvement.

SBVC Strategic Initiatives: [Strategic Directions + Goals](#)

	Does Not Meet	Meets	Exceeds
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<b>Mission/ Statement of Purpose</b>	The program <b>does not have</b> a mission/ statement of purpose, or it <b>does not clearly link</b> with the institutional mission.	The program <b>has</b> a mission/statement of purpose, and it <b>links</b> clearly with the institutional mission.	
<b>Productivity</b>	The data <b>does not show</b> an acceptable level of productivity for the program, or the issue of productivity is not adequately addressed.	The data <b>shows</b> the program is productive at an acceptable level.	The program functions at a highly productive level and has planned for growth as appropriate.
<b>Relevance, Currency, Articulation</b>	The program <b>does not provide</b> evidence that it is relevant, current, and that courses articulate with CSU/UC, if appropriate.  <u>Out of date course(s) that were not launched into CurricUNET by Oct. 1, 2017 may result in an overall recommendation no higher than Conditional.</u>	The program <b>provides</b> evidence that the curriculum review process is up to date. Courses are relevant and current to the mission of the program.  Appropriate courses <b>have been articulated</b> or transfer with UC/CSU, or <b>plans are in place</b> to articulate appropriate courses.	In addition to the meets criteria, the program <b>discusses plans</b> to enhance current course offerings that link to student/community needs and positions the program for improved student outcomes.
<b>Challenges</b>	The program <b>does not incorporate</b> weaknesses and challenges into planning.	The program <b>incorporates</b> weaknesses and challenges into planning.	The program <b>incorporates</b> weaknesses and challenges into planning that demonstrate the need for expansion.

Does Not Meet       Meets       Exceeds

**Efficacy Team Analysis and Feedback:**

**Mission:**

For both programs, the department's mission statements match that of the college.

**Productivity:**

Geography: The program cites the decline in enrollment is due to the improving economy. More Geography courses have been offered as the department is trying to meet student needs. Online and hybrid sections are now available for both Geography and GIS.

GIS: The GIS program's decline in enrollment is also due to the improving economy. Also, since the GIS certificate was not approved at the State Chancellor's Office from 2014-2015 and 2016-2017, this may have discouraged many GIS students from pursuing the certificate. Some upper-level courses were canceled due to low enrollment, creating a barrier for students to complete their certificate; for some students it was five to six semesters prior to completing the 19-unit certificate. The GIS certificate is currently approved again at

the State level. Currently students are now able to complete the 19-unit certificate completely online and within two semesters.

**Relevance & Currency:**

For both programs, a number of courses do not articulate to the UC or CSU systems. Faculty will continue to work with the SBVC articulation officer as well as offers at other institutions. Catalog and website publications are current for both programs and the department is working towards ensuring all information stays current.

**Challenges:**

**Geography:** Challenges for the Geography program include students lacking basic math, reading and English skills. The AB 705 initiative, Guided Pathways, as well as having a SI/tutor should help in this area. There is a limited amount of money for instructional supplies, this is an ongoing issue.

**GIS:** The GIS program has no full-time instructors and only two full-time faculty advocates- the faculty chair and a full-time geography faculty member. The stability of the program would be better maintained with more full-time faculty. GIS has no college-funded tutor, therefore, it will have to coordinate with the Student Success Center, CalWORKs and other campus programs. The department will begin the process of requesting a tutor through the Program Review Needs Assessment.

**VI: Questions Related to Strategic Initiative: Provide Exceptional Facilities**

**Goal: SBVC will support the construction and maintenance of safe, efficient, and functional facilities and infrastructure to meet the needs of students, employees, and the community.**

**SBVC Strategic Initiatives:** [Strategic Directions + Goals](#)

	<b>Does Not Meet</b>	<b>Meets</b>	<b>Exceeds</b>
<b>Facilities</b>	The program <b><u>does not provide an evaluation</u></b> that addresses the sustainability of the physical environment for its programs.	Program <b><u>provides an evaluation</u></b> of the physical environment for its programs and <b><u>presents evidence</u></b> to support the evaluation.	In addition to the meets criteria, the program has <b><u>developed a plan</u></b> for obtaining or utilizing additional facilities for program growth.

Does Not Meet       Meets       Exceeds

**Efficacy Team Analysis and Feedback:**

**Geography:** A majority of Geography courses meet within a specific classroom, PS 221. The room is well stocked with maps, globes and other equipment. The department shares storage room located at PS 220 with the Geology-Oceanography Program.

**GIS:** A majority of GIS courses are online, therefore do not require a classroom. The few courses that do meet on campus meet in computer lab HLS 231. Canvas, Zoom and ESRI (Environmental Systems Research Institute) software work well for students.

### **VII: Previous Does Not Meet Categories**

Does Not Meet       Meets       Exceeds

**Efficacy Team Analysis and Feedback:**

Previous “Does Not Meet” ratings from the Spring 2017 CTE include increasing FTES, shortening certificate completion time, increasing recruitment, making partnerships and improving student success.

The GIS certificate is now offered as an online 19-unit certificate. Courses are now in an eight-week format allowing students to finish in two semesters. Overall more courses are offered to meet student needs. The department is in a “nascent” stage of developing partnerships with universities, employers but it has progress in social media marketing and having a college-funded Geography SI/tutor.