



## Welcome to Program Review

College of Alameda - 2019

GEOG - Instruction

Annual Program Update

### Program Overview

**Please verify the mission statement for your program. If your program has not created a mission statement, provide details on how your program supports and contributes to the College mission.**

The mission of the Geography Department is to teach our diverse student community to understand the natural and cultural environments of the region and around the world, to be critical consumers of environmental advocacy, and to appreciate the beauty and wonder of the planet and its diversity.

The department directly supports the College of Alameda's mission, which is: To serve the educational needs of its diverse community by providing comprehensive and flexible programs and resources that empower students to achieve their goals. In order to support this mission, we (a) provide a variety of courses and dynamic scheduling options in coordination with other departments and disciplines within the Peralta Community College District, (b) create ethical and inclusive learning environments, (c) support the needs of all students and advocate for those programs and offices designed to help meet those needs, and (d) encourage involvement and investment outside of the classroom by supporting the Science Alliance club and the Study Abroad Program.

The Geography Department provides specialized educational field trip opportunities to expand students' geographic knowledge and skills. Participating students experience California's unique atmospheric, oceanic, volcanic, tectonic, fluvial, geologic, glacial, hydrothermal and biological features. According to the Bureau of Labor Statistics, the projected 10-year (2012-2022) job growth for Geographers is 22% or higher. Most of this growth will occur within the sub-field of Geographic Information Systems (GIS). GIS is software designed to capture, manage, analyze, and display all forms of geographically referenced information. GIS allows us to view, understand, question, interpret, and visualize our world in ways that reveal relationships, patterns, and trends in the form of maps, globes, reports, and charts. This technology provides cost saving from greater efficiency, better decision making, improved communication, better records keeping, and management of spatial problems. Understanding and utilizing this technology is becoming increasingly important as it benefits organizations of all sizes and in almost every industry.

Since there is a growing interest in Geography and an awareness of the economic and strategic value of GIS, our department is committed to offer a GIS Certificate program in addition to an Associate of Arts in Geography Transfer Degree (AA-T).

### Program Total Faculty and/or Staff

#### Full Time

Cady Carmichael

#### Part Time

Jeremy Patrich  
Gary Hasbrouck  
Aubrey Rose

**The Program Goals below are from your most recent Program Review or APU. If none are listed, please add your most recent program goals. Then, indicate the status of this goal, and which College and District goal your program goal aligns to. If your goal has been completed, please answer the follow up question regarding how you measured the achievement of this goal.**

All student learning outcomes for GEOG 1, GEOG 1L, and GEOG 2 have been assessed. (2017-18 APU)

Status

Completed

If Completed, What evidence supports completion of this goal? How did you measure the achievement of this goal?  
SLO assessment for GEOG 1, GEOG 1L and GEOG 2 are up-to-date. The next completion is scheduled to occur during Fall 2020.

College Goal

Establish integrated planning and evaluation system

District Goal

Build Programs of Distinction

Establish and offer course(s) in Geographic Information Systems and World Regional Geography. (2017-18 APU)

Status

Completed

If Completed, What evidence supports completion of this goal? How did you measure the achievement of this goal?  
GEOG 14: Introduction to Geographic Information Systems has been approved and was offered during the Spring 2018 semester.

College Goal

Advance CoA teaching and learning

GEOG 3: World Regional Geography has also been approved and was offered during the Fall 2019 semester.

District Goal

Build Programs of Distinction

GEOG 48: Geography Field Studies Abroad was completed in the Fall 2018 semester.

Expand other/additional course offerings, such as Environmental Geography, Climatology, Weather and Climate, and California Geography will be submitted for approval on an ongoing basis. (2017-18 APU)

Status

In-Progress

If Completed, What evidence supports completion of this goal? How did you measure the achievement of this goal?

College Goal

Advance CoA teaching and learning

District Goal

Build Programs of Distinction

Provide a more functional lab space for GEOG 1L.

Status

If Completed, What evidence supports completion of this goal? How did you measure the achievement of this goal?

In-Progress

College Goal

Advance CoA teaching and learning

District Goal

Advance Student Access, Equity, and Success

Faculty have engaged in institutional efforts such as committees, presentations, and department activities. (2017-18 APU)

Status

If Completed, What evidence supports completion of this goal? How did you measure the achievement of this goal?

In-Progress

College Goal

Design organizational, committee, & governance structures to support student success

District Goal

Develop and Manage Resources to Advance Our Mission

**Describe your current utilization of facilities, including labs and other space**

Room D-222 currently serves as the Geography lecture and lab classroom, along with storage for lecture and lab equipment and supplies. The space is functional but inadequate to perform certain lab activities which require larger equipment, running water, space to move around the room to varying "stations", and collaboration amongst students using tables as opposed to desks. The Geography Department has been in discussion, and collaboration, with the Anthropology Department to determine if a shared, and more functional, GEOG/ANTHR space can be arranged in the C building. The GEOG 14: Introduction to Geographic Information Systems course utilizes room A-232, which is a computer lab with the necessary ArcGIS software.

## Program Update

**Semester End Enrollment/Usage Pattern**

Review your Semester End Enrollment by setting the filter to your college and subject

**Equity Subgroups**

Academic Year: 2018-19 | College: College of Alameda | Subject: GEOG

Year	Gender	Headcount	Census Enrl	Course Completion Rate	Course Retention Rate
2018-19	Female	420	489	76%	84%
2018-19	Male	320	366	74%	84%
2018-19	Unknown	10	12	58%	67%
<b>Total</b>		<b>750</b>	<b>867</b>	<b>75%</b>	<b>84%</b>

Year	Age	Headcount	Census Enrl	Course Completion Rate	Course Retention Rate
2018-19	16-18	44	48	78%	83%
2018-19	19-24	447	513	75%	85%
2018-19	25-29	115	135	69%	77%
2018-19	30-34	75	89	71%	85%
2018-19	35-54	65	75	85%	89%
2018-19	55-64	3	3	67%	67%
2018-19	65 & Above	2	2	100%	100%
2018-19	Under 16	2	2	100%	100%

Year	Ethnicity	Headcount	Census Enrl	Course Completion Rate	Course Retention Rate
2018-19	American Indian	2	3	67%	100%
2018-19	Asian	257	307	87%	93%
2018-19	Black / African American	139	160	50%	67%
2018-19	Hispanic / Latino	168	190	68%	79%
2018-19	Pacific Islander	2	2	50%	50%
2018-19	Two or More	40	42	80%	80%
2018-19	Unknown / NR	17	18	72%	83%
2018-19	White	125	145	84%	90%

*Filter first by Academic Year, then by College and Subject. To examine equity subgroups use the filters to the left.*

Microsoft Power BI | < 2 of 5 >

**Using the dashboard, review and reflect upon the data for your program. Describe any significant changes and discuss what the changes mean to your program. Consider whether performance gaps exist for disproportionality impacted students. Focus upon the most recent year and/or the years since your last comprehensive program review. Cite data points from the dashboard to support your answer.**

The overall course completion rate for Geography as a discipline is at its highest since 2016 (75% in 2018-19 compared to 71% in 2016-17). Our retention rates have held steady at 84%. Both completion and retention rates for Geography in the 2018-19 year are slightly above the College of Alameda's rates or 73% and 79% respectively.

When looking at the completion and retention rates by gender for 2018-19, both males and females have similar outcomes. Retention rates are equal at 84%, while completion rates are slightly higher for females (76% compared to 74% for males).

The largest discrepancies within Geography occur when examining completion and retention rates based on ethnicity for 2018-19. Black/African American and Pacific Islander students have the lowest completion and retention rates, and this occurs whether or not the courses are offered 100% online or face to face. Also, veterans have lower completion and retention rates compared to non-veterans. Other factors, such as CA Promise Grant status, DSPS, dual enrollment, foster youth, first generation, low income, and Pell Grant did not significantly impact completion and retention rates.

The performance gaps based on ethnicity and veterans' status need to be discussed and addressed within the Geography Department. These are slightly different than what was discussed in the previous 2017-18 APU. Further research is needed to develop strategies to address these disproportions. Ongoing program assessment and subsequent improvements are also necessary to ensure overall student success and accomplishment of student goals. Since the majority of our students plan on transferring, a visible and measurable commitment to student support and achievement is essential. The Geography Department is committed continuing to work with student support services and outreach, as well as the larger guided pathways framework to address these gaps.

**Describe the department's progress on Student Learning Outcomes (SLOs) and/or Administrative Unit Outcomes (AUOs) since the last Program Review/APU. If your discipline offers a degree or certificate, please describe the department progress on Program Learning Outcomes (PLOs).**

SLO assessment is up to date for GEOG 1, GEOG 1L, and GEOG 2. The next completion cycle is scheduled to occur during Fall 2020.

**Describe the outcomes and accomplishments from previous year's funded resource allocation request.**

Brief description of funded request	Source (any additional award outside your base allocation)	Total Award Amount	Outcome/Accomplishment

Continued funding of ArcGIS software and other online mapping-related technologies as needed to support GEOG 14 and any new course offerings.

2000

We were able to successfully offer GEOG 14: Introduction to Geographic Information Systems during the Spring 2018 semester.

**In the boxes below, please add improvement actions and resource requests that are directly related to the questions answered in this section. If there are no improvement actions or resource requested in this area, leave blank.**

**Improvement Actions** Improvement Action

**Improvement Action**

Action Item	Description	To be completed By	Responsible Person
Continued funding of ArcGIS software	Continued funding of ArcGIS software and other online mapping-related technologies as needed to support GEOG 14 and any new course offerings.	1/14/2019	Dean Ana McClanahan; Cady Carmichael

**Resource Request**

Technology and Equipment	Replacement	Estimated Cost
Description/Justification		
Upgraded and continued funding of the ArcGIS software license is critical to the offering of GEOG 14.		2000

**Improvement Action**

Action Item	Description	To be completed By	Responsible Person
Functional lecture and lab space	Currently, D-222 contains a significant amount of equipment and supplies that serve GEOG 1 and GEOG 1L. This includes rock/minerals samples, topographic maps, 3D print models, water quality testing kits, wave erosion and fluvial demonstration machine, etc. These are still undergoing an organization process. A Student Aide was hired for the Geography Department Spring 2016 to catalogue and organize these materials, however, D- 222 does not have sufficient space to accommodate both the desks necessary for lecture courses and the lab equipment. A separate and/or larger space that serves geography is necessary. It is recommended that the Geography and Geology Departments or the Geography and Anthropology Departments share a larger, more functional space since the samples and equipment may be used in both disciplines.	1/14/2019	Dean Ana McClanahan; Cady Carmichael

**Resource Request**

Facilities

Labs

**Description/Justification**

The current D-222 space is not suitable to house both GEOG 1 and GEOG 1L courses in addition to the Geography Departments equipment and supplies. A larger space, or a separate lab room, is needed to accommodate lab and lecture activities. The Geography Department can cut, or eliminate, the cost of constructing a new classroom by sharing current available space with either the Geology or Anthropology Departments (both of which have agreed and feel it beneficial since the samples and equipment used can benefit both).

**Estimated Cost**

**Improvement Action**

Action Item	Description	To be completed By	Responsible Person
Part-time faculty member	As the Geography Department continues to grow and expand its course offerings, an additional part-time faculty member is needed to help meet demand, particularly for face to face courses.	8/1/2019	Dean McClanahan; Cady Carmichael

**Resource Request**

Personnel	Description/Justification	Estimated Annual Salary Costs	Estimated Annual Benefits Costs
Part-time Faculty	The Geography Department is losing two part-time faculty members for the Spring 2020 semester. We need to replace at least one of these positions to keep up with current course offerings/demands.	15000	
<b>Total Costs</b>			
15000			

**Resource Request Summary**

Total Cost: \$17000  
 Total Resource Request: 3

Program Update					
Personnel					
Type	% Time	Description/Justification	Estimated Annual Salary Costs	Estimated Annual Benefits Costs	Total Costs
Part-time Faculty	60	The Geography Department is losing two part-time faculty members for the Spring 2020 semester. We need to replace at least one of these positions to keep up with current course offerings/demands.	15000		15000
<b>Sub-Total: \$15000</b>					
Professional Development					
No Resources found for this category					
Technology and Equipment					
Type	Description/Justification	Estimated Cost			
Replacement	Upgraded and continued funding of the ArcGIS software license is critical to the offering of GEOG 14.	2000			
<b>Sub-Total: \$2000</b>					

**Supplies**  
 No Resources found for this category

Facilities Type	Description/Justification	Estimated Cost
Labs	The current D-222 space is not suitable to house both GEOG 1 and GEOG 1L courses in addition to the Geography Departments equipment and supplies. A larger space, or a separate lab room, is needed to accommodate lab and lecture activities. The Geography Department can cut, or eliminate, the cost of constructing a new classroom by sharing current available space with either the Geology or Anthropology Departments (both of which have agreed and feel it beneficial since the samples and equipment used can benefit both).	
<b>Sub-Total: \$0</b>		

Library  
No Resources found for this category

Other  
No Resources found for this category

## Sign and Submit

**Please provide the list of members who participated in completing this program review.**

Cady Carmichael

**Please enter the name of the person submitting this program review.**

Cady Carmichael