



Comprehensive Report

2020 - 2021

Program (CAS) - GEOG - Geography (BS) - 109

General Information

Program Mission Statement

The mission statement, educational objectives, and goals for program should guide the assessment process. The mission statement should align with department, college, and institutional mission statements.

The Department of Geography advances geography instruction, research and extension to promote and maintain a growing statewide workforce skilled in geographic research and applications. The Department of Geography will achieve national and international stature in scholarly and creative activities to enhance the visibility and desirability of the geography program at Oklahoma State University, and capitalize on new opportunities and respond to the changing needs of Oklahomans and society to provide Oklahoma schools, universities, industries and businesses, and those in the surrounding region, with the highest caliber professionals in the field of geography.

Departmental instructional goals are: to advance geographic education and cultivate in students an appreciation of the diversity and complexity of cultural and natural landscapes, to help students acquire substantive knowledge in geography, to become skilled in the use and application of geotechniques, and to develop sound critical thinking abilities and strong communication skills. Our program will prepare students to continue their studies at the graduate level, or to pursue careers in business, government, and education.

Program Information

Program Information - 2020 - 2021

Program Four Column Report

<i>Outcomes</i>	<i>Assessment Methods</i>	<i>Findings</i>	<i>Use of Findings (Actions)</i>
<p>Knowledge - Students will be able to think geographically. More specifically, program graduates will demonstrate an ability to identify, interpret, and reason analytically about spatial patterns and their possible causes and consequences.</p> <p>Outcome Status: Active</p> <p>Planned Assessment Year: 2017 - 2018, 2018 - 2019, 2019 - 2020, 2020 - 2021, 2016 - 2017</p> <p>Start Date:</p> <p>Archived Date:</p> <p>Outcome Type: Knowledge</p> <p>Reason for Archival:</p>	<p>Rating of Skills - GEOG 3333 is taught once per year (currently in the fall) and the instructor will assess all GEOG majors enrolled in the course. No student action or active participation is necessary. Specific to learning (quantitative) analytical reasoning and pattern recognition skills, the department will assess the learning outcome with a rubric designed for a required course, GEOG 3333 (Spatial Analysis). Students will be assessed by the faculty member teaching this course with a rubric specific to the course subject to revision. The rubric for this outcome is included in the summary of outcome results section.</p> <p>* Learning Outcome Goal/Benchmark:</p> <p>Timeline for Assessment:</p> <p>Yearly</p> <p>Other Assessment Type:</p>	<p>Reporting Period: 2020 - 2021</p> <p>Conclusion: 3 - Meets Program Expectations (Proficient)</p> <p>Four students qualified out of five possible. One student did not complete any coursework. Of the 4 who qualified, the high was a 4 and the low was a 2.2. Overall, however, the students all succeeded and the average for the course was a 3.4 with a Proficient score in all 5 Outcomes including high scores in the first three and only marginally lower scores in the ability to interpret and apply. This was mostly a result of the lower performing student.</p> <p>(09/27/2021)</p> <p>Number of Students Assessed: 4</p> <p>Number of Successful Students: 4</p> <p>How were students selected to participate in the assessment of this outcome?: Enrolled in the course and completed the coursework</p> <p>What do the findings suggest about student achievement of this learning outcome?: Most students have and continue to perform proficiently in the course. One student did not complete the course and one barely made minimum progress.</p>	<p>Use of Findings (Actions): Evaluate why the course has such a pass/fail rate for students from year to year and how to improve enrollment.(09/27/2021)</p>
<p>Research - Students will demonstrate the ability to set up and conduct a field-based research project.</p> <p>Outcome Status: Active</p> <p>Planned Assessment Year:</p>	<p>GEOG 4313 is taught once per year (currently in the fall) and the instructor will assess all GEOG majors enrolled in the course.</p> <p>* Learning Outcome</p>	<p>Reporting Period: 2020 - 2021</p> <p>Conclusion: 4 - Exceeds Program Expectations (Advanced)</p> <p>6 students were assessed out of 7 possible. One not</p>	<p>Use of Findings (Actions): Try to understand the haves and have nots in course outcomes. (09/27/2021)</p>

Program Four Column Report

<i>Outcomes</i>	<i>Assessment Methods</i>	<i>Findings</i>	<i>Use of Findings (Actions)</i>
<p>2017 - 2018, 2018 - 2019, 2019 - 2020, 2020 - 2021, 2016 - 2017</p> <p>Start Date:</p> <p>Archived Date:</p> <p>Outcome Type: Knowledge</p> <p>Reason for Archival:</p>	<p>Goal/Benchmark:</p> <p>Timeline for Assessment:</p> <p>Yearly</p> <p>Other Assessment Type:</p>	<p>assessed never attended the course. The overall average for the course was 3.64 but taking into account the lower scores of individual students, the Median is actually 4 and ranks the program as Advanced. This is an important consideration, but also amplifies the problems of individual students. All students were Advanced in Outcome 1. Students most struggled with Outcomes 2 (record changing geographies) and 5 (design and complete field research) scoring at or below proficient. Students did best with Outcomes 3 (collect data) and 4 (satisfy end user requirements) scoring nearly advanced. (09/27/2021)</p> <p>Number of Students</p> <p>Assessed: 6</p> <p>Number of Successful</p> <p>Students: 6</p> <p>How were students selected to participate in the assessment of this outcome?:</p> <p>Enrolled in the course and completed the coursework</p> <p>What do the findings suggest about student achievement of this learning outcome?:</p> <p>Students do well with collecting data, but might suffer from analysis and completion of project. In past years, this has been less of a problem and could be pandemic related. Data next year will let us know if this is a trend.</p>	

Research Design - Students will understand and apply the principles of (a) geographic information system design and management and (b) effective map design and interpretation.

Outcome Status: Active
Planned Assessment Year: 2017 - 2018, 2018 - 2019,

Most courses are taught once per year, though GEOG 4203 (Introduction to GIS) is currently taught every fall and spring semester, and the instructors will assess all GEOG majors enrolled in the courses. Evaluation rubrics are distributed to each instructor of a required (core)

Reporting Period: 2020 - 2021
Conclusion: 3 - Meets Program Expectations (Proficient)
 GEOG 4203 had 4 students enrolled and qualified for assessment. Unfortunately, the overall score was 2.94 for those students, although this is only slightly below

Use of Findings (Actions):
 Look at improving scores for 4203, however, it's clear that students improve from introductory GIS courses into upper-division ones. (09/27/2021)

Program Four Column Report

<i>Outcomes</i>	<i>Assessment Methods</i>	<i>Findings</i>	<i>Use of Findings (Actions)</i>
<p>2019 - 2020, 2020 - 2021, 2016 - 2017</p> <p>Start Date:</p> <p>Archived Date:</p> <p>Outcome Type: Knowledge</p> <p>Reason for Archival:</p>	<p>course near the end of each semester, with the students' names and each course's stated student learning outcomes listed. Instructors rate each student on a 0-4 scale for each outcome (0 for minimal to no mastery of the outcome, 4 for maximal mastery), as described in the department Undergraduate Assessment Plan and as assessed by the instructors of each core course. Average scores for each course and learning outcome are determined each year. Rubric items are assessed independently on the 0-4 scale separately from specific grades earned in the class. Instructors primarily base their evaluations on individual assignments and term projects in the pertinent courses, identifying specific 9 assignments or components that meet the major course learning goals, and they are encouraged to rate students on the individual learning outcomes prior to determining final course grades.</p> <p>* Learning Outcome Goal/Benchmark:</p> <p>Timeline for Assessment:</p> <p>Each Semester</p> <p>Other Assessment Type:</p>	<p>proficient, it is down from previous assessment periods. Data for this course reveals that most students with understanding the basics of databases which might simply be addressed by individual student performances. This will be something to monitor in the future. For the rest of the outcomes, students performed proficient. GEOG 4343 had 3 students qualify and all performed proficient only in all three outcomes. GEOG 4353 also had 4 students qualify with an average of 3.4, students performed proficient in Outcome 1 and near Advanced in Outcome 2. GEOG 4323 had 3 qualified students who scored a 3.73 and performed nearly advanced in all Outcomes. Interestingly, this was far better than GIS students in the same course attesting perhaps to the artistic nature of map-making versus the pure technical skills of GIS.</p> <p>(09/27/2021)</p> <p>Number of Students Assessed: 15</p> <p>Number of Successful Students: 15</p> <p>How were students selected to participate in the assessment of this outcome?:</p> <p>Enrolled in the courses</p> <p>What do the findings suggest about student achievement of this learning outcome?:</p> <p>Students are performing proficient or above in our technical courses and this is something we should continue to promote and lean into when building enrollment.</p>	

Survey - Express positive feedback on their experience as a Geography

Timeline 4A: Exit Surveys will be administered approximately one month

Reporting Period: 2020 - 2021
Conclusion: 1 - Does Not Meet Program Expectations

Use of Findings (Actions):
 Retrieve exit surveys from University. Conduct our own.

Program Four Column Report

<i>Outcomes</i>	<i>Assessment Methods</i>	<i>Findings</i>	<i>Use of Findings (Actions)</i>
<p>undergraduate major and their preparedness for post-graduate employment.</p> <p>Outcome Status: Active</p> <p>Planned Assessment Year: 2018 - 2019, 2019 - 2020, 2020 - 2021, 2016 - 2017</p> <p>Start Date:</p> <p>Archived Date:</p> <p>Outcome Type: Knowledge</p> <p>Reason for Archival:</p>	<p>before students graduate each term (Fall, Spring, and Summer) and results will be aggregated. There are items that can be rated on a 0-4 scale and averaged, as well as open-ended items that cover a variety of topics of interest to the faculty. 14 Timeline 4B: The Survey of Alumni from Undergraduate Programs is administered in the spring of each even-numbered year, and results will thus be incorporated into the annual assessment report every other year as available.</p> <p>* Learning Outcome Goal/Benchmark:</p> <p>Timeline for Assessment:</p> <p>Each Semester</p> <p>Other Assessment Type:</p>	<p>(Unacceptable)</p> <p>Exit surveys are under evaluation for this year. We are requesting official university exit surveys, but plan to re-evaluate the whole system finally for 2021-2022.</p> <p>(09/27/2021)</p> <p>Number of Students Assessed: 0</p> <p>Number of Successful Students: 0</p> <p>How were students selected to participate in the assessment of this outcome?:</p> <p>N/A</p> <p>What do the findings suggest about student achievement of this learning outcome?: N/A</p>	<p>(09/27/2021)</p>

<p>Communication - Students will demonstrate effective written and oral presentation skills.</p> <p>Outcome Status: Active</p> <p>Planned Assessment Year: 2018 - 2019, 2019 - 2020, 2020 - 2021, 2016 - 2017</p> <p>Start Date:</p> <p>Archived Date:</p> <p>Outcome Type: Skills</p> <p>Reason for Archival:</p>	<p>The assessment will be based on a representative written assignment and an oral presentation from GEOG 4313 (the acting Geography capstone course). The course will be taught once per year in the fall, as noted in Timeline 2A. The representative written assignment will be given to the Assessment committee for evaluation. The oral presentation will be assessed by the 4313 instructor. The evaluators will be responsible for assessing the projects based on university rubrics (Appendix II)</p> <p>* Learning Outcome Goal/Benchmark:</p> <p>Timeline for Assessment:</p> <p>Yearly</p> <p>Other Assessment Type:</p>	<p>Reporting Period: 2020 - 2021</p> <p>Conclusion: 1 - Does Not Meet Program Expectations</p> <p>(Unacceptable)</p> <p>No artifacts provided.</p> <p>(09/27/2021)</p> <p>Number of Students Assessed: 0</p> <p>Number of Successful Students: 0</p> <p>How were students selected to participate in the assessment of this outcome?:</p> <p>N/A</p> <p>What do the findings suggest about student achievement of this learning outcome?: N/A</p>	<p>Use of Findings (Actions): This has been an unsuccessful Outcome and will be modified in future years to better suit the course's actual work. During the annual showing of research for GEOG 4313, the Assessment Coordinator will solicit input on the presentations of the students of the course. This will be used for future assessments and is actually a valuable artifact.</p> <p>(09/27/2021)</p>
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Annual Executive Summary

Annual Executive Summaries - 2020 - 2021

Executive Summary

Program Assessment Coordinator

Donald E Colley III

Plan Review and Approval**Date Current Plan Was Reviewed and Approved**

09/27/2021

Date of Future Plan Review and Approval

09/01/2022

Summary of Assessment Findings**Describe overall assessment findings and faculty members' interpretation of the assessment results**

Generally speaking, all students enrolled in the BS meet the minimum "Proficient" standards for course outcomes. However, there is some evidence that these students are not as accomplished as their GLST and GSIS peers. In terms of trends, students in the BS continue to perform the same year over year except in the technical courses where this year, students seemed to perform better as a whole.

Dissemination of Findings**Describe the individual(s) or committee responsible for reviewing and interpreting assessment data**

The Undergraduate Coordinator and Graduate Coordinator

Describe the process for sharing and discussing assessment findings with program faculty

Presented at the Fall 2021 Faculty Planning Meeting, provided in written and oral format

Program Improvements Based on Assessment**Based on data collected this year, what changes are being considered or planned for the program?**

The only recommendation is to try to understand why GEOG BS students perform worse than other Geography programs

Based on this year's findings, what (if any) changes are planned for the assessment process?

Perform Exit Surveys and evaluate actual work from GEOG 4313

Describe the process for implementing these changes/planned program improvements

Work with instructor of GEOG 4313 and sollicit faculty feedback on student's oral presentations; gather University provided Exit Surveys, conduct our own

Program Improvements Made in the Last Year

Increased Rigor

"Other" Improvements**Goals for the Coming Year**

Graduate and retain enrollment

Is this program report ready for review?

Yes

This program report could not be completed due to low student enrollment

List all individuals associated with this report preparation

Don Colley

Jon Comer

Related Documents