**Executive Summary**

(After completing the questions on the next few pages, please replace this area with a written executive summary of the questions that follow, including your data analysis, findings, action plan, and improvements you have already made. This will be the top sheet of your report. This summary should be at least a paragraph, and can definitely be longer if desired.)

**Faculty Included in the Preparation and Sharing of this Report:**

Noah Hughes

**Please provide a brief and cogent narrative in response to each of the following questions.**

1. Provide a quantitative analysis for each PLO your CLOs inform. Provide the total number of students who passed/total number of students assessed in each PLO column *and* the corresponding PLO passing rate as an aggregated percentage*.*

**AWARD (and corresponding PLO) Students Passed/Assessed TOTAL RATE**

A.S. Degree: University Preparation, Emphasis in Earth Sciences

1. *Identify, describe, and explain the causes and consequences of the various physical processes 85/144 59%*

*that transfer energy into, within, and out of the earth system.*

1. *Identify, describe, and explain the causes and consequences of the various chemical processes 56/72 78%*

*that control the transformation of matter within the earth system.*

1. *Identify, describe, and explain the causes and consequences of the various interactions between N/A N/A*

*the biosphere and the physical components of the earth system.*

1. Reflect on, consider and analyze the data you have. ***What does your CLO data tell you about how your students are achieving PLOs?*** *Be detailed, descriptive and analytical* in this qualitative assessment of each PLO in relation to your CLO data. **Are your results satisfactory?**

 My CLO data tells me that my students are meeting their PLO-related CLO’s inconsistently. In particular, the PLO #1 was only met at the 59% rate while #2 was met at a 78% rate.

My results are satisfactory, but underscore the need for continual improvement.

1. Your department and the college should be making improvements based on student learning outcomes assessment, and we need to continue to document and share the improvements and progress you have already made. Did you make any changes in your CLO or PLO statements or analysis during the last cycle or recently? Did you receive funding for resources requests that were aimed to improve assessment results? Did you make any improvements in the areas of teaching and instruction processes, your courses, or your program? *Please explain your accomplishments and provide details about your efforts.*

Yes, sometime in the last four years changes were made to my CLO’s, and the PLO’s were developed in that time as well. The CLO changes were made in response to curriculum changes that were implemented in an effort to align coursed with C-ID, IGETC, etc requirements.

Funding was sought and received in order to help promote success. A complete set of laptop computers and a laptop cart were purchased to improve student access to technology so that more technology-based lab curriculum could be implemented. In addition, it allows students to utilize e-texts, a more affordable textbook options for them. Another example was the purchase of a class set of whiteboards that allow students to work in small groups during lecture class and report back out to the rest of the class.

I am constantly making changes to my teaching in response to students needs and the overall goal of improving student success. In particular I have integrated elements of group work (to enhance cooperative skills and create a ‘social safe place’ for all students) and sustainability into many aspects of the class. In addition, I have integrated concepts of designing, building, and implementing models that can be used to learn course concepts.

1. **Action Plan.** Based on the assessments and analysis you have provided, please consider what changes or improvements you would like to make, which might include updating your CLO statements, modifying course outlines, rethinking instruction efforts, using different assessment instruments, asking for additional resources to improve assessment results, etc. ***Based on the analysis, provide an action plan for improvement that draws on your assessment results and efforts.***

Based on the results of this, we need to allow more time to analyze whether course changes are going to improve student success or not. CLO results are satisfactory, but we feel that more data is needed (more years worth of data). Therefore, it best to “stay the course” and continue to collect longitudinal data to better understand student achievement as it relates to PLO’s.