Assessment Data is from what semester? Fall 2014

Faculty Name(s): Shyam Sundar

1. Course Name and Number:
   Basic Human Anatomy and Physiology

2. List all Course SLOs from the Course Outline of Record:
   1. Students will be able to distinguish information gathered by the scientific method versus opinion.
   2. Students will discuss the key principles that are common to homeostasis in maintaining normal body functions
   3. Students will be able to demonstrate how anatomy implies function for anatomical structures.
   4. Students will be able to apply biological principles future health decisions.

3. Specific Course SLO(s) assessed as part of this project:
   1. Students will be able to distinguish information gathered by the scientific method versus opinion.

4. Is this course on GE Plan A?  x  Yes  ___ No  (See Catalog pages 49-51 & page 55)
   If Yes, identify what area. (All GE course assessments count as GE assessments.)
   x  Area I Natural Sciences
       ___ Area II Social and Behavioral Sciences
       ___ Area III Fine Arts/Humanities
       ___ Area IV Language and Rationality
       ___ Area V Physical Education/Wellness
       ___ Area VI Intercultural/International Studies
       ___ Area VII Information Competency

5. How did you assess the SLO(s)? (Attach any related documents at end of form.)
   Students were asked to read an article from general news media and critically analyze it using the scientific method. They were to make a poster summarizing the article and critically evaluating the data at the beginning and at the end of the semester. They were scored for accuracy and method both times. The difference is calculated.
6. Results and analysis of the data. (Attach any related documents at end of form.)

The average score on the assignment (48 students) at the beginning was a 50.12. At the end of the semester this average turned out to be around 55 out of 60 points. There was a significant improvement in the familiarity of the scientific method and how students critically analyzed data. Although this is a skill that is honed after much exposure and is hyperbolic, students were able to read health news information from media and interpret it better based on what they learned in this class.

7. What are you going to do based on the results of the data? (Any planned revisions?)

The 5 point improvement is not statistically significant. When I teach this class again, I will reinforce the scientific method more rigorously. I will also provide articles related to each system we study and have students write a page analysis.

Please save your finished document in the following format. (Date should be for the semester in which data was collected; same date should be listed at top of this form.)

yyyysemester-sloa-courseid.doc
Example: 2014spring-sloa-engl101c.doc