1. **AGSC Content Area of Alignment:** Area III: Science and Math

2. **SLO(s) being assessed:** Student will..

SLO 10: Students will understand and appreciate methods and issues of science and technology.

3. **Assessment Method(s):**

   [Explain how assessment for the measures associated with this SLO - not grading for the course as a whole - was conducted. Provide a separate paragraph for each method.]

   **SURVEYS** Surveys were administered in the first lab of BIOL 1001 and then in the last lab of BIOL 1011. The survey consisted of 6 demographic questions, 10 questions that related to scientific abilities, 11 questions that related to knowledge of concepts, and 5 questions that related to their awareness of current scientific and technological issues. **CORE CURRICULUM ASSESSMENT QUESTIONS** In both BIOL 1000 and 1010 students were given 5 general knowledge questions at the start of the semester and the end of the semester to assess their knowledge. The questions for each course are found below. **LAB REPORTS** Students were assessed based on their ability to construct a hypothesis, present data, and form a conclusion in BIOL 1001 and BIOL 1011. Both exercises were designed to fit in with their respective course’s current grading scheme. Students performed well on these activities. 100 lab reports were selected randomly from each course and were graded by GTAs teaching the courses. Students were rated on 2 sections for BIOL 1001: “Hypothesis”, and “Data Presentation and Conclusion”. In BIOL 1011, students were rated on 3 sections: “Hypothesis”, “Data Presentation”, and “Conclusion”. The Survey and Core Curriculum Assessment Questions are included in the findings document.

4. **Findings:** What assessment data did each assessment method produce?

   See attached document

5. **How did you (or will you) use the findings for improvement?**

   [What questions / issues / concerns did your data raise for the faculty teaching the course? What discussion did the faculty have about the findings? What future actions to improve student attainment of this outcome will the department / program take as a result of this analysis?]

   The results from our assessment indicate that students are learning valuable information in the course series that includes BIOL 1000 and BIOL 1010. Student knowledge of basic concepts increased, and their attitudes towards science and the application of science also improved. We will use these results to indicate areas in which we can continue to strengthen the course series. Communication between the faculty and instructors who teach the lectures, and the graduate students who teach the laboratories, will be vital to ensure that we continue to improve our abilities to enhance the student learning experiences in these courses.

6. **Additional Comments:**

   [What else would you like the Committee to know about your assessment of this course or plans for the future?]

7. **Committee Comments**

   Mean of rubric score = 3.67 (out of 4) A very thorough assessment of SLO 10 with varying types of assessment included. Understands the importance of strengthening communication amongst faculty and instructors to continue to enhance student learning competencies.