

COURSE SLO ASSESSMENT REPORT, SCC

Department: Biology Course: Biology 259

Year: 2011 Semester: Summer

1) Outcome to be assessed	2) Means of assessment and criteria of success	3) Summary of data collected	4) Analysis of data	5) Plan of action/what to do next
<p>Conduct laboratory investigations according to given experimental procedures, collect and analyze resulting experimental data, formulate valid conclusions based on the results.</p> <p>SLO #3/3</p>	<p>One 10-point essay question the first laboratory exam. A rubric was generated to assess this question.</p> <p>Explain, in detail the two methods we used in lab to estimate the population size of organisms without counting each individual. Make sure to fully explain, using diagrams if applicable, both methods and how you used them.</p> <p>10 – Identifies and fully explains both sampling methods 7 – Identifies both sampling methods, but does not give sufficient details 5 – Identifies and fully explains one method but not the other 3 – Identifies both methods but gives no explanation OR identifies one method but lacks sufficient details 1 – Identifies one method but gives no explanation 0 – Does not identify either method correctly</p> <p>I would expect over 51% of the students to get a 7 or greater on the question, 70% to get 5 or greater, 80% to get 3 or greater.</p>	<p>10 – 6/31 (19.4%) 7 – 8/31 (25.8%) 5 – 4/31 (12.9%) 3 – 8/31 (25.8%) 1 – 3/31 (9.7%) 0 – 2/31 (6.4%)</p>	<p>Almost 45% of the students got a 7 or greater on the question, 58% got 5 or more points on the question, and 42% of the class got 3 or less.</p> <p>The results are all across the board here. I would expect a majority of the students to be around the 7-point range, meaning they should be able to describe both methods, but maybe not completely. This topic was something I covered in class and asked them to be familiar with on a study guide. The large percentage of students below 5 points troubles me. My first thought is that they just are not studying hard enough.</p>	<p>This is the first assessment of this SLO, I need more data before I make any decision as for what to do next.</p>