

COURSE SLO ASSESSMENT REPORT, SCC

Department: Biology Course: Biology 109Lab

Year: 2012 Semester: Spring

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 procedure, collect and analyze resulting experimental data, and formulate valid conclusions based on the results.</p>	<p>Students independently conducted experimental tests on an unknown chemical substance to identify the type of organic molecule it contained. They then explained the steps of the procedure for each test including the use of the proper reagents. Students reported the test results for each test and concluded which organic molecule their unknown contained. A department-approved rubric was used to score the degree of understanding regarding the experimental procedure and results.</p>	<p>Conducted experiment according to procedure</p> <p>52/61 full credit; 9/61 half credit</p> <p>25/29 full credit; 1/29 half credit 3/29 no credit</p> <p>13/22 full credit; 8/22 half credit 1/22 no credit</p> <p>full credit 45/81; half credit 36/81</p> <p>full credit 59/59</p> <p>Collected & analyzed data</p> <p>54 full credit; 8 half credit</p> <p>24 full credit; 3 half credit 1 no credit</p> <p>11 full credit; 10 half credit 1 no credit</p> <p>full credit 75/81; half credit 6/81</p> <p>full credit 59/59</p> <p>Valid conclusion</p> <p>0/61 did not 2/22 did not Lui; 1/29 did not 2/81 did not Wood 0/59 did not Ryan</p>	<p>Conducted experiment according to procedure:</p> <p>Department data full credit 194/252(77%) half credit 54/252 (21%) no credit (2%)</p> <p>Collected & analyzed data full credit 223/252 (88%) half credit 27/252 (11%)</p> <p>Valid conclusion 247/252= 98% correct conclusion 5/252 incorrect (2%)</p>	<p>Data will be further discussed at next flex meeting. Department seems to be on target.</p>