

COURSE SLO ASSESSMENT REPORT, SCCDepartment: Chemistry Course: Chem 210Year: 2013 Semester: Fall

1) Outcome to be assessed	A- Explain chemical events and processes in a clear and coherent manner using chemical symbols and chemical equations B- Solve problems using chemical concepts and chemical principles																																																																																																
2) Means of assessment and criteria of success	Both SLO A and B were assessed using an MCQ (30 questions). Criteria of success is that 70% of the students achieving 60% or better on the quiz.																																																																																																
3) Summary of data collected	<p>No of students assessed = 14 students, No of sections = 1, Average score: 21.5/30 Number of students who got 18 or more correct answers/30 (60% correct) = 11/14 = 79% There are 11 (79% of the students) students who obtained 60% or more on the SLO quiz assessment. The students achieved that SLO for the course.</p> <table border="1"><thead><tr><th>Q #</th><th># incorrect</th><th>% incorrect</th><th>Q #</th><th># incorrect</th><th>% incorrect</th></tr></thead><tbody><tr><td>1</td><td>2</td><td>14.3</td><td>16</td><td>6</td><td>42.9</td></tr><tr><td>2</td><td>2</td><td>14.3</td><td>17</td><td>7</td><td>50.0</td></tr><tr><td>3</td><td>10</td><td>71.4</td><td>18</td><td>7</td><td>50.0</td></tr><tr><td>4</td><td>4</td><td>28.6</td><td>19</td><td>6</td><td>42.9</td></tr><tr><td>5</td><td>2</td><td>14.3</td><td>20</td><td>1</td><td>7.1</td></tr><tr><td>6</td><td>1</td><td>7.1</td><td>21</td><td>10</td><td>71.4</td></tr><tr><td>7</td><td>1</td><td>7.1</td><td>22</td><td>1</td><td>7.1</td></tr><tr><td>8</td><td>4</td><td>28.6</td><td>23</td><td>3</td><td>21.4</td></tr><tr><td>9</td><td>11</td><td>78.6</td><td>24</td><td>0</td><td>0.0</td></tr><tr><td>10</td><td>6</td><td>42.9</td><td>25</td><td>5</td><td>35.7</td></tr><tr><td>11</td><td>1</td><td>7.1</td><td>26</td><td>3</td><td>21.4</td></tr><tr><td>12</td><td>3</td><td>21.4</td><td>27</td><td>8</td><td>57.1</td></tr><tr><td>13</td><td>1</td><td>7.1</td><td>28</td><td>7</td><td>50.0</td></tr><tr><td>14</td><td>2</td><td>14.3</td><td>29</td><td>7</td><td>50.0</td></tr><tr><td>15</td><td>8</td><td>57.1</td><td>30</td><td>0</td><td>0.0</td></tr></tbody></table>	Q #	# incorrect	% incorrect	Q #	# incorrect	% incorrect	1	2	14.3	16	6	42.9	2	2	14.3	17	7	50.0	3	10	71.4	18	7	50.0	4	4	28.6	19	6	42.9	5	2	14.3	20	1	7.1	6	1	7.1	21	10	71.4	7	1	7.1	22	1	7.1	8	4	28.6	23	3	21.4	9	11	78.6	24	0	0.0	10	6	42.9	25	5	35.7	11	1	7.1	26	3	21.4	12	3	21.4	27	8	57.1	13	1	7.1	28	7	50.0	14	2	14.3	29	7	50.0	15	8	57.1	30	0	0.0
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4) Analysis of data	From data analysis and looking at topics covered on the questions missed by the majority (over 50%) of the students taking the MCQ assessment, only 5 questions were missed by more than 50% of the students. The questions covered the topics of : Q 3 – Significant Figures Q 9 – Diatomic molecule Q 15- Solubility based on Polarity Q 21- Citric Acid Cycle Q 27 - Chiral centers in a molecule
5) Plan of action/what to do next	Students achieved both SLOs (A and B) of the course. Seventy nine percent of the students achieved 60% or more on the SLO quiz. There is no plan of action as students achieved SLO A and B for the course.