

Assessment: Course Four Column



Courses (SCI) - Chemistry

CHEM 121:General Chemistry I

<i>Course Outcomes</i>	<i>Assessment Measures</i>	<i>Results</i>	<i>Actions</i>
<p>Glass wares & Instruments used in chem. Labs - Students will be Introduced to glass wares & Instruments used in chem. Labs. They will be introduced to concepts like Titration, Stoichiometry, Chromatography, Density & Vit C determination, Determination of Molecular weight & percent water in a Compound.</p> <p>Course Outcome Status: Active</p> <p>Next Assessment: 2023-2024</p>	<p>Exam - Lab exams, Technical evaluation, Lab Reports.</p> <p>Criterion: 60% class achieving "A" & "B" grades</p>	<p>Reporting Period: 2018-2019</p> <p>Criterion Met: Yes</p> <p>Lab Exam – 1- Total score – 50 High - 50 Low- 27</p> <p>Lab Exam – 2- Total score - 50 High -50 Low- 0</p> <p>TOTAL- 13 students Grades 9- A 0- B 0-C 0-D 4- F (09/18/2019)</p>	<p>Action: This Chem lab has been modified a bit compared to the last time. Since 69% of the students have scored an "A" and the rest of them have "F". Students with "F" grade are the ones who have dropped out of the class midway. If they don't do well in the lecture component they tend to drop out of the lab too.</p> <p>Students were taught how to write the lab reports and told to show step wise handwritten calculations. I would continue with this assignment as it helps them to understand how calculations and result values can be tied to the experiments.</p> <p>I have made it a point to have them do "percentage error" calculations and also point out to me where they think they must have committed errors.</p> <p>This is the first time I have included two exams based on the</p>

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			<p>experiments. This was a very good exercise as it helped in reinforcing the principles learnt in the lab.</p> <p>By adding Technical evaluation points i made sure that they followed all the safety precautions in the lab. (09/18/2019)</p>