

Assessment: Course Four Column



Courses (SCI) - Chemistry

CHEM 241L:Organic Chemistry Lab I

<i>Course Outcomes</i>	<i>Assessment Measures</i>	<i>Results</i>	<i>Actions</i>
Describe the chemical theory behind an experiment - Describe the chemical theory behind an experiment and be able to clearly articulate this theory in a lab report and lab notebook Course Outcome Status: Active Next Assessment: 2021-2022 Start Date: 11/09/2017	Assignment - Lab - Lab notebook, lab reports Criterion: 90%	Reporting Period: 2016-2017 Criterion Met: Yes 97% (11/09/2017)	
Pass quizzes on the experiment of the day - pass quizzes on the experiment of the day and the equipment and chemicals that are being used Course Outcome Status: Active Next Assessment: 2021-2022 Start Date: 11/09/2017	Quiz - Lab quizzes Criterion: 90%	Reporting Period: 2016-2017 Criterion Met: Yes 100% (11/09/2017)	
Record experimental procedures and results in a lab notebook - Record experimental procedures and results in a lab notebook in a manner clear enough that experiments may be reproduced and detailed lab reports may be written	Assignment - Lab - Lab notebook, lab reports Criterion: 90%	Reporting Period: 2016-2017 Criterion Met: Yes 97% (11/09/2017)	

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<p>Demonstrate technical lab capabilities - Demonstrate technical lab capabilities commensurate with those in a 1-year organic chemistry course and have been exposed to an array of lab techniques appropriate for this course</p>	<p>Assignment - Lab - Completion of labs, lab reports, lab notebook</p> <p>Criterion: Completion</p>	<p>Reporting Period: 2016-2017 Criterion Met: Yes Completion (11/09/2017)</p>	
<p>Course Outcome Status: Active Next Assessment: 2021-2022 Start Date: 11/09/2017</p>			
<p>Produce scientific lab reports that clearly communicate a scientific experiment - Produce scientific lab reports that clearly communicate a scientific experiment and differentiate between the different, distinct parts of the lab report</p>	<p>Assignment - Lab - Lab reports</p> <p>Criterion: 90%</p>	<p>Reporting Period: 2016-2017 Criterion Met: Yes 97% (11/09/2017)</p>	
<p>Course Outcome Status: Active Next Assessment: 2021-2022 Start Date: 11/09/2017</p>			
<p>Communicate in clear, grammatically correct written English - Communicate in clear, grammatically correct written English</p>	<p>Assignment - Lab - Lab Reports</p> <p>Criterion: 90%</p>	<p>Reporting Period: 2016-2017 Criterion Met: Yes 97% (11/09/2017)</p>	<p>Action: N/A (11/09/2017) Follow-Up: All outcomes begin with the words: "Students will..." I pasted them in from my syllabi without it.</p> <p>The lab quizzes must be completed with 100% before the students are allowed to start a lab. This is a safety feature of having undergraduates boiling jet fuel.</p> <p>Students are allowed to hand in</p>

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			<p>lab reports multiple times for revision, therefore the high grades. Essentially, they are not accepted until they are close to perfect.</p> <p>The lab notebook is reviewed several times during the semester until students are achieving at an 'A' level.</p> <p>No action plan is described because I think that the course is good as it is.</p> <p>This course is due for revision next year. Several new labs will be created to better incorporate the NMR that has recently been purchased with NIH funding. (11/09/2017)</p>