

Assessment: Course Four Column



Courses (SCI) - Chemistry

CHEM 241:Organic Chemistry I

<i>Course Outcomes</i>	<i>Assessment Measures</i>	<i>Results</i>	<i>Actions</i>
Apply principles of bonding in organic molecules - Students will be able to apply principles of bonding in organic molecules, including VSEPR theory, valence bond theory, hybrid orbitals, and molecular orbital theory to solving problems Course Outcome Status: Active Next Assessment: 2021-2022 Start Date: 10/18/2017	Exam - Exam questions Criterion: 60%	Reporting Period: 2016-2017 Criterion Met: Yes 82% (10/18/2017)	Action: N/A (10/18/2017)
Apply principles of organic acids and bases - Students will be able to apply principles of organic acids and bases, including pKa, the Brønstead-Lowry definition, and the Lewis definition to solving problems. They should also be able to predict relative acid and base strengths for organic molecules and the basis for relative pKa. Course Outcome Status: Active Next Assessment: 2021-2022 Start Date: 10/18/2017	Exam - Exam questions Criterion: 60%	Reporting Period: 2016-2017 Criterion Met: Yes 63% (10/18/2017)	
Naming, identification, and drawing of stereoisomers (cis, trans, R, S, E, Z, etc). - Naming, identification, and	Exam - Exam questions Criterion: 60%	Reporting Period: 2016-2017 Criterion Met: Yes 66% (10/18/2017)	

Course Outcomes	Assessment Measures	Results	Actions
<p>drawing of stereoisomers (cis, trans, R, S, E, Z, etc).</p> <p>Course Outcome Status: Active Next Assessment: 2021-2022 Start Date: 10/18/2017</p>			
<p>Naming, identification, and drawing of conformations . - Naming, identification, and drawing of conformations of alkanes, cycloalkanes, monosubstituted cyclohexanes, disubstituted cyclohexanes, polycyclic molecules, including ring strain.</p> <p>Course Outcome Status: Active Next Assessment: 2021-2022 Start Date: 10/18/2017</p>	<p>Exam - Exam Questions Criterion: 60%</p>	<p>Reporting Period: 2016-2017 Criterion Met: Yes 81% (10/18/2017)</p>	
<p>Solve problems using nomenclature, reactivity, and reactions of alkanes, cycloalkanes, alkenes, alkynes, and aromatic compounds - Solve problems using nomenclature, reactivity, and reactions of alkanes, cycloalkanes, alkenes, alkynes, and aromatic compounds</p> <p>Course Outcome Status: Active Next Assessment: 2021-2022 Start Date: 10/18/2017</p>	<p>Exam - Exam Questions Criterion: 60%</p>	<p>Reporting Period: 2016-2017 Criterion Met: Yes 73% (10/18/2017)</p>	<p>Action: General notes on assessment design. I have been working on “dialing-in” my assessments so that they are not too hard. It is getting better. GBC students find this course very challenging.</p> <p>I did not fill in anything in the “action plan” boxes, because I think I need to continue doing what I am doing.</p>
			<p>One note --- students tended to do more poorly on the material that is on the comprehensive final if it was not reinforced several times during the semester. So --- one possible action plan --- to do more overlapping reinforcement of material during the semester. I thought that my problem sets</p>

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were doing that sufficiently, but I guess not. (11/09/2017)