

Assessment: Course Four Column



Compton: Course SLOs (Div 1) - Earth Sciences

COM: GEOG 1:Physical Elements

<i>Course SLOs</i>	<i>Assessment Method Description</i>	<i>Results</i>	<i>Actions</i>
<p>SLO #1 Basic Knowledge - Students can identify the salient features of the basic concepts of physical geography. (This includes the ability to recall the definitions of the specialized vocabulary of physical geography.)</p> <p>Course SLO Status: Active Course SLO Assessment Cycle: 2015-16 (Spring 2016) Input Date: 07/01/2013 Inactive Date: Comments::</p>	<p>Exam/Test/Quiz - Students took a (ten question True/False, multiple choice) pre-test before topics were covered in class then took the same test as a post assessment in order to determine if salient concepts were recognized accurately identified.</p> <p>Standard and Target for Success: Seventy percent of t4he students should score 70% on the post assessment.</p> <p>Reviewer's Comments:</p>	<p>Semester and Year Assessment Conducted: 2015-16 (Spring 2016) Standard Met? : Standard Met The average score for the pre-test was six, and the average score for the post test was seven. Seventeen students took the post test. Fourteen of seventeen scored 70%. Eight-two-percent scored 70%. (05/15/2016) Faculty Assessment Leader: Leonard Clark Faculty Contributing to Assessment: none Reviewer's Comments:</p>	<p>Action: Continue emphasizing important vocabulary words and concepts in physical geography in classroom lecture. (05/16/2016) Action Category: Teaching Strategies</p>
<p>SLO #2 Relationship with Their Environment - Students recognize and can accurately articulate how their physical environment affects humans' lives and how human activities affect their physical environment.</p> <p>Course SLO Status: Active Course SLO Assessment Cycle: 2014-15 (Spring 2015) Input Date: 12/17/2013 Inactive Date: Comments::</p>			

<i>Course SLOs</i>	<i>Assessment Method Description</i>	<i>Results</i>	<i>Actions</i>
<p>SLO #3 Nature of Science - Students can identify the key elements of the scientific method (hypotheses, tests, observations, conclusions/interpretation of observations) in popular accounts of scientific research in magazines, newspapers, etc.</p> <p>Course SLO Status: Active Course SLO Assessment Cycle: 2013-14 (Spring 2014) Input Date: 12/17/2013 Inactive Date: Comments::</p>	<p>Exam/Test/Quiz - The scientific method was used to establish evidence for the existence of Pangea.</p> <p>The students used a map and fossil evidence to apply the scientific method to statements given. Ten statements were listed in a multiple choice format applying the scientific method.</p> <p>Standard and Target for Success: Seventy percent student accuracy on the assessment by seventy percent of the students is the target.</p> <p>Rubric is based on a straight 90,80,70,60 % curve.</p> <p>Reviewer's Comments:</p>	<p>Semester and Year Assessment Conducted: 2013-14 (Spring 2014) Standard Met? : Standard Not Met 10 students total 9858 Geog 1 6:00pm – average 3.5/10, 1 question at 90% (#7) and 1 question at 80% (#2), all remaining questions were problematic for all students.</p> <p>It is important for the intent of the statement to be recognizable by students. For example in statement 2, it was referring to the hypothesis of the scientific method since no one has lived long enough to observe continents move over time to their present positions. Statement 7 implies a test of the scientific method because the word "searched" is used. Students were not successful on all other questions because they may have been confused to what part of the scientific method the statement referred. Instead of presenting information on the parts of the scientific method, scores may be improved if the students create their own experiments identifying each part of the scientific method. This should be performed as a guided practice.</p> <p>(05/23/2014) Faculty Assessment Leader: Clark Faculty Contributing to Assessment: Reviewer's Comments:</p>	<p>Action: After direct instruction of the scientific method, active learning will be used where student will generate everyday examples of the scientific method. Students will be required to complete 4 to 6 hours of service learning to do sometime of work where humans affect the earth and how the earth affects humans. Following this, the groups will conduct an oral presentation in class and complete and submit a journal of their experiment/research work. When each group presents their findings, the rest of the class will work to identify the components of the scientific method. (02/05/2016) Action Category: Teaching Strategies</p>
	<p>Exam/Test/Quiz - Students were given a world map showing fossil locations along the edge of all continents. They used those locations and the scientific method to determine what portion of the scientific method was used to make each statement (e.g The Pacific Ocean is the world's largest ocean = Observation)</p> <p>Standard and Target for Success: The target percentage is 70% accuracy. Each student should get 7</p>	<p>Semester and Year Assessment Conducted: 2013-14 (Spring 2014) Standard Met? : Standard Not Met The average score for 2014 was 35%. (10/07/2015) Faculty Assessment Leader: Clark Faculty Contributing to Assessment: Reviewer's Comments:</p> <p>Semester and Year Assessment Conducted: 2014-15 (Spring 2015) Standard Met? : Standard Not Met 9858 Geog 1 6:00pm – average 3.5/10, 1 question at 90% (#7) and 1 question at 80% (#2), 10 students total 2015 6.4/10, 9 students at</p>	

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	<p>of the 10 assessment questions correct.</p> <p>Reviewer's Comments: Continue applying scientific method in lecture, giving quizzes on identifying key terms and teaching the principles of the method.</p> <p>Related Documents: GEOG 1_CEC.doc Geol 1_CEC.doc Geol 3_CEC.doc</p> <p>Exam/Test/Quiz - The students use maps showing locations of fossils and statements to apply the scientific method.</p> <p>Standard and Target for Success: Seventy percent of the students should get 70% of the questions correct.</p> <p>Reviewer's Comments:</p>	<p>70%, 20 students total</p> <p>The average score for 10 students was 35% in 2014. The average score for 20 students in 2015 was 64%. (09/10/2015)</p> <p>Faculty Assessment Leader: Leonard Clar Faculty Contributing to Assessment: none Reviewer's Comments: The evening Geography class outscored other classes perhaps because it contains evening students who are career minded, focused on their educational success and probably already familiar with the scientific method.</p> <p>Semester and Year Assessment Conducted: 2015-16 (Fall 2015) Standard Met? : Standard Not Met During Fall2015, less than 70% of all student scored 70% correct. The following are the results for the SLO assessments related to this PLO:</p> <p>Geol 1 SLO #3 - Of the students assessed, 64% completed the exam successfully with a C or better. This improvement over last year may have been due to more in-class reinforcement and guided practice applying the scientific method. However, the standard was not met.</p> <p>Geol 3 SLO#3- Students were not successful on all questions because they may have been confused to what part of the scientific method the statement referred. Instead of presenting information on the parts of the scientific method, scores may improve if the students create their own experiments indentifying each part of the scientific method. This should be performed as a guided practice.</p> <p>Geog 1 SLO#3 - Of the students assessed, 64% completed the exam successfully with a C or better. This improvement over last year may have been due to more in-class reinforcement and guided practice applying the scientific method. However, the standard was not met.</p>	<p>Action: To increase the success rate of our students in the future, instructors will meet and work together to design additional in-class activities to assist students with understanding and applying the scientific method. (05/13/2016)</p> <p>Action Category: Teaching Strategies</p>

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(05/02/2016)

Faculty Assessment Leader: Leonard Clark

Faculty Contributing to Assessment:

Reviewer's Comments:

COM: GEOL 1:Physical Geology

<i>Course SLOs</i>	<i>Assessment Method Description</i>	<i>Results</i>	<i>Actions</i>
<p>SLO #1 Basic Knowledge - Students recognize and can accurately articulate how the Earth affects humans' lives and how human activities affect the Earth.</p> <p>Course SLO Status: Active Course SLO Assessment Cycle: 2015-16 (Spring 2016) Input Date: 12/17/2013 Inactive Date: Comments::</p>	<p>Exam/Test/Quiz - Survey questions were included in the final exam as to assess the basic knowledge and the responses evaluated on a scale of 50-100%.</p> <p>Standard and Target for Success: The target plan was to achieve about 80% or higher. The survey results showed a score 80-85%, indicating the target was achieved. I plan to repeat the same procedure in Spring 2015 with more emphasis on those aspects that were not answered appropriately.</p> <p>Reviewer's Comments:</p>	<p>Semester and Year Assessment Conducted: 2013-14 (Spring 2014) Standard Met? : Standard Met 4 of the five questions were answered by 20 out of 24 students, while one question was answered all the students correctly. Thus, 80-85% score was observed. (09/11/2014) Faculty Assessment Leader: Dr. Mussie Okbamichael Faculty Contributing to Assessment: Reviewer's Comments:</p>	<p>Action: I will focus on assigning questions relevant to the interaction of humans with the earth and conduct similar assessment survey after two semesters. (02/12/2015) Action Category: Teaching Strategies</p>
	<p>Exam/Test/Quiz - Students took a (ten question True/False, multiple choice) pre-test before topics were covered in class then took the same test as a post assessment in order to determine if salient concepts were recognized accurately identified. Standard and Target for Success Seventy percent of t4he students should score 70% on the post assessment.</p> <p>Standard and Target for Success: Seventy percent of all students taking the assessment should score 70% correct.</p> <p>Reviewer's Comments: Only 10% of all student scored 70% on the assessment, but on the pre-assessment the average score was 3 and on the post-assessment the average was 5.</p>	<p>Semester and Year Assessment Conducted: 2015-16 (Spring 2016) Standard Met? : Standard Not Met Only 10% of all student scored 70% on the assessment, but on the pre-assessment the average score was 3 and on the post-assessment the average was 5. (05/16/2016) Faculty Assessment Leader: Leonard Clark Faculty Contributing to Assessment: Reviewer's Comments:</p>	<p>Action: More classroom activities that involve active learning will be incorporated into the course. Specific attention will be given to the areas of minerals, geologic structures, tectonics, and beach processes. (05/16/2016) Action Category: Teaching Strategies</p>

Course SLOs	Assessment Method Description	Results	Actions
<p>SLO #2 Relationship with Their Environment - Students can identify the salient features of the basic concepts of geology. (This includes the ability to recall the definitions of the specialized vocabulary of geology.)</p> <p>Course SLO Status: Active Course SLO Assessment Cycle: 2014-15 (Spring 2015) Input Date: 12/17/2013 Inactive Date: Comments::</p>			
<p>SLO #3 Nature of Science - Students can identify the key elements of the scientific method (hypotheses, tests, observations, conclusions/interpretation of observations) in popular accounts of scientific research in magazines, newspapers, etc.</p> <p>Course SLO Status: Active Course SLO Assessment Cycle: 2013-14 (Spring 2014) Input Date: 12/17/2013 Inactive Date: Comments::</p>	<p>Exam/Test/Quiz - The students used a map and fossil evidence to apply the scientific method to statements given. Ten statements were listed in a multiple choice format applying the scientific method</p> <p>Standard and Target for Success: Seventy percent student accuracy on the assessment by seventy percent of the students is the target.</p> <p>Reviewer's Comments:</p>	<p>Semester and Year Assessment Conducted: 2013-14 (Spring 2014)</p> <p>Standard Met? : Standard Not Met</p> <p>Four sections (9863, 9864, 9865, 9867) of Geology 1 were assessed. The average score for all sections was 3.5/10 questions. Section 9864 scored 70% on statement 8. It stated that fossil have been found on two continents which was and an observation that 70% of students were able to identify at 70% accuracy.</p> <p>Students were not successful on all other questions because they may have been confused to what part of the scientific method the statement referred. Instead of presenting information on the parts of the scientific method, scores may improve if the students create their own experiments indentifying each part of the scientific method. This should be performed as a guided practice. 1</p> <p>0 2013-14 (Spring 2014) edit add Action</p> <p>(05/23/2014) Faculty Assessment Leader: Leonard Clark Faculty Contributing to Assessment: Reviewer's Comments: Instead of using direct instruction to prepare students for this assessment, active learning will</p>	<p>Action: Instead of using direct instruction to prepare students for this assessment, active learning will be used having student perform simple experiments with the scientific method. (05/05/2016)</p> <p>Action Category: Teaching Strategies</p>

Course SLOs	Assessment Method Description	Results	Actions
	<p>Exam/Test/Quiz - Students were given a world map showing fossil locations along the edge of all continents. They used those locations and the scientific method to determine what portion of the scientific method was used to make each statement (e.g The Pacific Ocean is the world's largest ocean = Observation)</p> <p>Standard and Target for Success: It is expected that 70% of the students will score at least 7 out of 10.</p> <p>Reviewer's Comments:</p>	<p>be used having student perform simple experiments with the scientific method.</p> <hr/> <p>Semester and Year Assessment Conducted: 2013-14 (Spring 2014) Standard Met? : Standard Not Met 9858 Geog 1 6:00pm – average 3.5/10, 1 question at 90% (#7) and 1 question at 80% (#2), 10 students total (05/22/2014) Faculty Assessment Leader: Leonard Clark Faculty Contributing to Assessment: Reviewer's Comments: In stead of using direct instruction to prepare students for this assessment, active learning will be used having student perform simple experiments with the scientific method.</p> <p>Semester and Year Assessment Conducted: 2014-15 (Spring 2015) Standard Met? : Standard Not Met Of the students assessed, the average exam score for was a 48% average, or failing score. Although there is improvement over last year's scores, students are still struggling with applying the scientific method when asked to distinguish among the statements that apply to particular aspects of the scientific method Overall, the standard was not met. (11/06/2015) Faculty Assessment Leader: Leonard Clark Faculty Contributing to Assessment: Reviewer's Comments:</p>	<p>Action: To increase student success in the future, instructors will work together to design in-class assignments to help students distinguish terminology used as related to the scientific method. (05/13/2016) Action Category: Teaching Strategies</p>

COM: GEOL 15:Natural Disasters

<i>Course SLOs</i>	<i>Assessment Method Description</i>	<i>Results</i>	<i>Actions</i>
<p>SLO #1 Basic Knowledge - Students can identify the salient features of the basic concepts of geology. (This includes the ability to recall the definitions of the specialized vocabulary of geology.)</p> <p>Course SLO Status: Active Course SLO Assessment Cycle: 2016-17 (Spring 2017) Input Date: 12/17/2013 Inactive Date: Comments::</p>	<p>Exam/Test/Quiz - The students used a map and fossil evidence to apply the scientific method to statements given. Ten statements were listed in a multiple choice format applying the scientific method</p> <p>Standard and Target for Success: Seventy percent student accuracy on the assessment by seventy percent of the students is the target.</p> <p>Reviewer's Comments:</p>		
<p>SLO #2 Relationship with Their Environment - Students recognize and can accurately articulate how the Earth affects humans' lives and how human activities affect the Earth.</p> <p>Course SLO Status: Active Course SLO Assessment Cycle: 2016-17 (Spring 2017) Input Date: 12/17/2013 Inactive Date: Comments::</p>			
<p>SLO #3 Nature of Science - Students can identify the key elements of the scientific method (hypotheses, tests, observations, conclusions/interpretation of observations) in popular accounts of scientific research in magazines, newspapers, etc.</p> <p>Course SLO Status: Active Course SLO Assessment Cycle: 2013-</p>	<p>Exam/Test/Quiz - The students used a map and fossil evidence to apply the scientific method to statements given. Ten statements were listed in a multiple choice format applying the scientific method</p> <p>Standard and Target for Success: Reviewer's Comments:</p>	<p>Semester and Year Assessment Conducted: 2013-14 (Spring 2014) Standard Met? : Standard Not Met 9872 Geol 15 2:00pm - average 2.7/10, 0 students at 70%, 10 students total</p> <p>Zero students scored 70% accuracy. This is a course in natural disasters (tsunamis, mass wasting, volcanism, etc.) and the course content doesn't easily lend itself to practice of the application of the scientific method. Perhaps students could develop experiments knowing the</p>	<p>Action: As a form of guided practice, students will perform simple experiments using the scientific method in preparation for the assessment. (05/23/2014) Action Category: Teaching Strategies</p>

<i>Course SLOs</i>	<i>Assessment Method Description</i>	<i>Results</i>	<i>Actions</i>
<p>14 (Spring 2014), 2016-17 (Spring 2017) Input Date: 12/17/2013 Inactive Date: Comments::</p>	<p>Exam/Test/Quiz - Students used fossil data, a world map and the scientific method to rve the existence of Pangea. Standard and Target for Success: Seventy percent of the students should reach the target. Reviewer's Comments: Fifty percent of the students reached the target of 70% accuracy.</p>	<p>conclusion before performing the experiment. (05/23/2014) Faculty Assessment Leader: Clark Faculty Contributing to Assessment: Reviewer's Comments: Instead of using direct instruction to prepare students for this assessment, active learning will be used having student perform simple experiments with the scientific method.</p>	

COM: GEOL 3:Physical Geology Laboratory

<i>Course SLOs</i>	<i>Assessment Method Description</i>	<i>Results</i>	<i>Actions</i>
<p>SLO #1 Basic Knowledge - Students can identify the salient features of the basic concepts of geology. (This includes the ability to recall the definitions of the specialized vocabulary of geology.)</p> <p>Course SLO Status: Active Course SLO Assessment Cycle: 2015-16 (Spring 2016) Input Date: 12/17/2013 Inactive Date: Comments::</p>	<p>Exam/Test/Quiz - Students took a (ten question True/False, multiple choice) pre-test before topics were covered in class then took the same test as a post assessment in order to determine if salient concepts were recognized accurately identified. Standard and Target for Success Seventy percent of t4he students should score 70% on the post assessment.</p> <p>Standard and Target for Success: Seventy percent of students should score seventy percent correct on the assessment.</p> <p>Reviewer's Comments:</p>	<p>Semester and Year Assessment Conducted: 2015-16 (Spring 2016) Standard Met? : Standard Met The average score on the pre-assessment was six and the post-assessment average scored was seven. Eighteen out of twenty students scored 70% or better on the assessment. Ninety percent of the students assessed scored 70% or better on the post-assessment. (05/16/2016) Faculty Assessment Leader: Leonard Clark Faculty Contributing to Assessment: None Reviewer's Comments:</p>	<p>Action: In the future, more emphasis will be placed on the formation of igneous rocks and earth quake. To ensure that student's have a better understanding of these concepts, there will be more short, oral quizzes during lab sessions. (05/16/2016) (09/16/2016) Action Category: Teaching Strategies</p>
<p>SLO #2 Relationship with Their Environment - Students recognize and can accurately articulate how the Earth affects humans' lives and how human activities affect the Earth.</p> <p>Course SLO Status: Active Course SLO Assessment Cycle: 2014-15 (Spring 2015) Input Date: 12/17/2013 Inactive Date: Comments::</p>	<p>Exam/Test/Quiz - The students used a map and fossil evidence to apply the scientific method to statements given. Ten statements were listed in a multiple choice format applying the scientific method.</p> <p>Standard and Target for Success: Seventy percent student accuracy on</p>	<p>Semester and Year Assessment Conducted: 2013-14 (Spring 2014) Standard Met? : Standard Not Met 9868 Geol 3 9:35am – average3.2/10, 0 students at 70%, 10 students total</p> <p>This is a laboratory class where students obtain practical experience learning about rocks, minerals and sundry</p>	<p>Action: During the semester, student will be asked to perform experiments using the scientific method. Theses experiments will serve as guided practice in preparation for the scientific method assessment. (05/05/2016) Action Category: Teaching</p>
<p>SLO #3 Nature of Science - Students can identify the key elements of the scientific method (hypotheses, tests, observations, conclusions/interpretation of observations) in popular accounts of scientific research in magazines, newspapers, etc.</p>	<p>Exam/Test/Quiz - The students used a map and fossil evidence to apply the scientific method to statements given. Ten statements were listed in a multiple choice format applying the scientific method.</p> <p>Standard and Target for Success: Seventy percent student accuracy on</p>	<p>Semester and Year Assessment Conducted: 2013-14 (Spring 2014) Standard Met? : Standard Not Met 9868 Geol 3 9:35am – average3.2/10, 0 students at 70%, 10 students total</p> <p>This is a laboratory class where students obtain practical experience learning about rocks, minerals and sundry</p>	<p>Action: During the semester, student will be asked to perform experiments using the scientific method. Theses experiments will serve as guided practice in preparation for the scientific method assessment. (05/05/2016) Action Category: Teaching</p>

<i>Course SLOs</i>	<i>Assessment Method Description</i>	<i>Results</i>	<i>Actions</i>
<p>Course SLO Status: Active Course SLO Assessment Cycle: 2013-14 (Spring 2014) Input Date: 12/17/2013 Inactive Date: Comments::</p>	<p>the assessment by seventy percent of the students is the target. Reviewer's Comments:</p>	<p>geologic phenomena.</p> <p>Students were not successful on all questions because they may have been confused to what part of the scientific method the statement referred. Instead of presenting information on the parts of the scientific method, scores may improve if the students create their own experiments indentifying each part of the scientific method. This should be performed as a guided practice. 1</p> <p>0 2013-14 (Spring 2014) edit add Action</p> <p>(05/23/2014) Faculty Assessment Leader: Clark Faculty Contributing to Assessment: Reviewer's Comments: Instead of using direct instruction to prepare students for this assessment, active learning will be used having student perform simple experiments with the scientific method.</p>	<p>Strategies</p>