

COURSE SLO ASSESSMENT REPORT, SCC

Department: Earth Sciences
Year: 2013-2014

Course: EARTH 110 – Introduction to Earth Science
Semester: Spring 2014 – **REVISED**

1) Outcome to be assessed <i>(verbatim and in the same order as in CurricUNET)</i>	2) Means of assessment and criteria of success <i>(include % of students expected to meet criteria of success)</i>	3) Summary of data collected <i>(include # of students assessed and % meeting each SLO)</i>	4) Analysis of data	5) Plan of action/what to do next
<p>SLO #1 Students should develop the awareness that changes to the Earth are a result of physical and chemical processes.</p> <p>SLO #2 Students should be able to demonstrate an understanding that astronomical, geological, oceanographic and meteorological processes are based upon observation of Earth materials and features.</p>	<p>For Both SLOs: pre/post test method</p> <p>Success Criteria: #1 improvement shown between pre- and post-test</p> <p>#2 score above 69% on post-test</p> <p>We want 70% of students to meet the criteria.</p>	<p>For Both SLOs:</p> <p>2 sections - 67 of 91 students meet the criteria of taking both pre- and post-tests</p> <p>students showing improvement = 49 of 67 or 73%</p> <p>students above 69% = 31 of 67 or 46%</p> <p>Cannot separate the SLOs at this time.</p>	<p>For Both SLOs:</p> <p>Criteria met by one but not both comparison methods.</p> <p>Improvement for individuals at 73%, but total scores above the 69% baseline is only 46%</p> <p>So while 73% of our students showed improvement, only 46% improved enough to hit our baseline of a 69% or better grade on the post-test.</p>	<p>We need to redo our pre- and post-tests to analyze the SLOs separately.</p> <p>Usually we meet or exceed our assessment criteria and we will need to look deeper into the data to discover why this has changed. For this semester.</p> <p>Because we are changing the way we are collecting data starting with the Fall 2014 semester, we might be able to better determine what the challenges are using the upcoming data for this year.</p>