

COURSE SLO ASSESSMENT REPORT, SCC

Department: Astronomy Course: 112
 Year: 2013 Semester: Spring

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>1) Apply scientific reasoning to future astronomical discoveries to understand their validity as well as to everyday situations.</p>	<p>Assessment consisted of 11 multiple-choice questions embedded into a cumulative final.</p> <p>The criterion for successfully meeting the SLO is a collective 60% of the students taking the assessment correctly answering the questions.</p>	<p>A total of 33 students from the only section of the course offered this semester were surveyed.</p> <p>Of the 33 students surveyed for the final exam assessment, 65% of the students correctly answered the questions regarding this SLO.</p> <p>With 65% of the students meeting the SLO, the SLO is considered to be successfully met.</p>	<p>Of the 11 questions used in the survey, there were three questions that more than 50% of the students missed. If these questions are omitted, the success rate goes up to 73.9%.</p> <p>With 65% of our students successfully working through the questions, we are confident that our students can apply scientific reasoning to future discoveries and understand their validity to everyday situations.</p>	<p>Faculty are encourage to continue to seek ways to improve instruction and assessment, no major correction recommended.</p> <p>The faculty are encouraged to continue instruction with a student-centered format, similar to those techniques was used in the facilitation of the sections surveyed.</p> <p>The faculty are encouraged to review the questions related to the SLO to ensure they are the most appropriate questions for assessing the SLO.</p>

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<p>2) Discuss how empirical observations have served to change scientific ideas regarding cosmology.</p>	<p>Assessment consisted of 7 multiple-choice questions embedded into a cumulative final.</p> <p>The criterion for successfully meeting the SLO is a collective 60% of the students taking the assessment correctly answering the questions.</p>	<p>A total of 33 students from the only section of the course offered this semester were surveyed.</p> <p>Of the 33 students surveyed for the final exam assessment, 69% of the students correctly answered the questions regarding this SLO.</p> <p>With 69% of the students meeting the SLO, the SLO is considered to be successfully met.</p>	<p>Of the 7 questions used in the survey, there were two questions that more than 50% of the students missed. If these questions are omitted, the success rate goes up to 81%.</p> <p>With 69% of our students successfully working through the questions, we are confident that our students can discuss how empirical observations have served to change scientific ideas regarding cosmology.</p>	<p>Faculty are encourage to continue to seek ways to improve instruction and assessment, no major correction recommended.</p> <p>The faculty are encouraged to continue instruction with a student-centered format, similar to those techniques was used in the facilitation of the sections surveyed.</p> <p>The faculty are encouraged to review the questions related to the SLO to ensure they are the most appropriate questions for assessing the SLO.</p>

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<p>3) Demonstrate a thorough understanding of currently accepted theories for the origin of the universe.</p>	<p>Assessment consisted of 10 multiple-choice questions embedded into a cumulative final.</p> <p>The criterion for successfully meeting the SLO is a collective 60% of the students taking the assessment correctly answering the questions.</p>	<p>A total of 33 students from the only section of the course offered this semester were surveyed.</p> <p>Of the 33 students surveyed for the final exam assessment, 77% of the students correctly answered the questions regarding this SLO.</p> <p>With 77% of the students meeting the SLO, the SLO is considered to be successfully met.</p>	<p>Of the 10 questions used in the survey, there was one question that more than 50% of the students missed. If this question is omitted the success rate goes up to 80%.</p> <p>With 69% of our students successfully working through the questions, we are confident that our students can demonstrate a thorough understanding of currently accepted theories for the origin of the Universe.</p>	<p>Faculty are encourage to continue to seek ways to improve instruction and assessment, no major correction recommended.</p> <p>The faculty are encouraged to continue instruction with a student-centered format, similar to those techniques was used in the facilitation of the sections surveyed.</p> <p>The faculty are encouraged to review the questions related to the SLO to ensure they are the most appropriate questions for assessing the SLO.</p>