

# Assessment: Program Four Column



## Acad Program - LA Transfer Degree (ASLT)

Program Learning Outcomes	Assessment Methods	Assessment Results	Action Taken (Use of Results)
<p><b>PLO 2 - Quantitative Reasoning</b> - Use quantitative skills and the concepts and methods of mathematics to solve problems.  <b>Outcome Status:</b> Active/Ongoing  <b>Assessment Year:</b> 2019 - 2020, 2020 - 2021  <b>Start Date:</b> 07/01/2019</p>	<p><b>Embedded Test Questions -</b>            Identified six questions from a locally developed departmental comprehensive exam.  <b>Criterion:</b> Goal is for 70% of the students to would be able to correctly calculate at least 75% of the solutions.  <b>Notes:</b> Use quantitative skills to solve problems</p>	<p><b>Reporting Period:</b> 2019 - 2020 EoY  <b>Result Type:</b> Criterion Met            91% of the students were proficient in using quantitative skills to solve problems (using computational skills for statistical problem solving and mathematical modeling) (05/01/2020)  <b>Analysis:</b> The criterion was met.</p>	<p><b>Action Taken (Use of Results):</b>            The mathematics faculty will put additional emphasis on developing additional supplemental materials for the two outcomes that were not met this cycle. The mathematics faculty is determined to ensure that a greater percentage of students will meet the three learning objectives for the upcoming academic year. (05/01/2020)</p>
	<p><b>Embedded Test Questions -</b>            Identified five questions from a locally developed departmental comprehensive exam.  <b>Criterion:</b> Goal is for 70% of the students to would be able to correctly calculate at least 75% of the solutions.  <b>Notes:</b> Interpret quantitative information</p>	<p><b>Reporting Period:</b> 2019 - 2020 EoY  <b>Result Type:</b> Criterion Not Met            58% of the students were proficient in interpreting quantitative information (calculate simple probability in both discrete and continuous variable cases) (05/01/2020)  <b>Analysis:</b> The criterion was not met.</p>	<p><b>Action Taken (Use of Results):</b>            The mathematics faculty believes that the percent decrease of these skills is partially due to new rubrics that were created for this academic year. The faculty will reexamine the new rubrics and make modifications for the upcoming academic year. The mathematics faculty will also put additional emphasis on developing additional supplemental materials for the two outcomes that were not met this cycle. The mathematics</p>

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	<p><b>Embedded Test Questions -</b> Identified four questions from a locally developed departmental comprehensive exam.</p> <p><b>Criterion:</b> Goal is for 70% of the students to would be able to correctly calculate at least 75% of the solutions.</p> <p><b>Notes:</b> Translate problem situations into their symbolic representations</p>	<p><b>Reporting Period:</b> 2019 - 2020 EoY</p> <p><b>Result Type:</b> Criterion Not Met</p> <p>69% of the students were proficient in translating problem situations into their symbolic representations (calculate the probability, mean, and standard deviation for a binomial and normal probability distribution) (02/22/2022)</p> <p><b>Analysis:</b> The criterion was not met.</p>	<p>faculty is determined to ensure that a greater percentage of students will meet the three learning objectives for the upcoming academic year. (05/01/2020)</p> <p><b>Action Taken (Use of Results):</b> The measures were not met with regards to two of the three intended educational outcomes. The mathematics faculty believes that the percent decrease of these skills is partially due to new rubrics that were created for this academic year. The faculty will reexamine the new rubrics and make modifications for the upcoming academic year. The mathematics faculty will also put additional emphasis on developing additional supplemental materials for the two outcomes that were not met this cycle. The mathematics faculty is determined to ensure that a greater percentage of students will meet the three learning objectives for the upcoming academic year. (05/01/2020)</p>
<p><b>PLO 3 - Scientific Reasoning -</b> Understand and apply the concepts and methods of the natural sciences.</p> <p><b>Outcome Status:</b> Active/Ongoing</p> <p><b>Assessment Year:</b> 2019 - 2020, 2020 - 2021</p> <p><b>Start Date:</b> 07/01/2019</p>	<p><b>Embedded Test Questions -</b> Locally developed test that measures student achievement of this particular learning outcome.</p> <p><b>Criterion:</b> The average of all responded for the embedded problems will be 70%</p> <p><b>Notes:</b> Demonstrate scientific</p>	<p><b>Reporting Period:</b> 2019 - 2020 EoY</p> <p><b>Result Type:</b> Criterion Met</p> <p>80% of the students measured mastered the student-learning outcome. (05/01/2020)</p> <p><b>Analysis:</b> The criterion was met.</p>	<p><b>Action Taken (Use of Results):</b> Due to the challenges experienced from the COVID-19 the faculty have developed a number of possible teaching strategies or interventions that could be used for future classes:</p> <ol style="list-style-type: none"> <li>1. Introduce online presentation</li> </ol>

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	<p>literacy.</p> <p><b>Embedded Test Questions</b> - Course-based assessment by individual faculty that teach science labs.  <b>Criterion:</b> The average of all response for the embedded problems will be 70%  <b>Notes:</b> Apply the scientific method in a lab setting.</p>	<p><b>Reporting Period:</b> 2019 - 2020 EoY  <b>Result Type:</b> Criterion Not Met  67% of the students measured mastered the student-learning outcome. (05/01/2020)  <b>Analysis:</b> The criterion was not met.</p>	<p>at the first of the semester, helping students discover resources and become more proficient with online learning.  2. Implement assignments that must be uploaded, graded, and returned to students. For example, using technology available to the students such as smartphone/scanner with free programs such as camScanner or ScanGuru that allows a document to be uploaded in a pdf format.  3. Introduce some topics online before face to face class time so that more of that time can be used for practice and problem solving.  4. Implement the use of interactive meeting programs such as CISCO WEBEX or Zoom to have review sessions outside normal classroom hours in preparation for exams.  5. Implement the use of interactive websites that give immediate feedback for practice with all topics. (02/22/2022)</p> <p><b>Action Taken (Use of Results):</b>  The expected level of student performance and criteria for success was that 70% of SOWELA students would demonstrate mastery of this intended educational outcome. Though this criterion was only met for one SLO, the faculty believe this is primarily due to the difficulty that many students experienced with</p>

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<p><b>PLO 4 - Social &amp; Behavioral Sciences -</b> Understand and apply the concepts and methods of social sciences.  <b>Outcome Status:</b> Active/Ongoing  <b>Assessment Year:</b> 2019 - 2020, 2020 - 2021  <b>Start Date:</b> 07/01/2016</p>	<p><b>Embedded Test Questions -</b> Course-based assessment using monitored group discussions, embedded questions on homework assignments, and unit tests.  <b>Criterion:</b> Demonstrate an understanding of the unique theories and methods of a social or behavioral science  <b>Notes:</b> Analyze and interpret a social, economic, political, cultural, or philosophical issue</p>	<p><b>Reporting Period:</b> 2019 - 2020 EoY  <b>Result Type:</b> Criterion Met  95% of the students measured mastered the student-learning outcome. (05/01/2020)  <b>Analysis:</b> The criterion was met.</p>	<p>the transition from face to face presentation of material to online presentation. Also the group learning in the laboratory had to be limited and changed to online participation for the second half of the semester. These were major challenges caused by the COVID-19 pandemic. (05/01/2020)</p> <p><b>Action Taken (Use of Results):</b> Of the students measured, 95% showed mastery of this outcome. Faculty will continue the practice of requiring regular homework assignments that reinforce the unique theories and methods of the social and behavioral sciences. In addition, the Social Science faculty have also adopted an open source textbook so that all students will have access to the text the first day of class for free. The textbook we chose (OpenStax) is free for the students for use online and is only a nominal fee if they wish to purchase the hardback version. Hopefully more students will use the text because it is free. To help supplement the text, the faculty is in the process of developing additional online activities that correspond with the text. (05/01/2020)</p>
	<p><b>Embedded Test Questions -</b> Responses to selected questions embedded in a unit test will be analyzed to determine if learning</p>	<p><b>Reporting Period:</b> 2019 - 2020 EoY  <b>Result Type:</b> Criterion Met  75% of the students measured mastered the student-learning outcome. (05/01/2020)</p>	<p><b>Action Taken (Use of Results):</b> The Social and Behavioral Science faculty has seen students consistently exceeding the 70%.</p>

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	<p>outcome is met.  <b>Criterion:</b> 70% of students will score at least a 70% on the embedded questions in the unit test.  <b>Notes:</b> Demonstrate an understanding of the unique theories and methods of a social or behavioral science</p>	<p><b>Analysis:</b> The criterion was met.</p>	<p>They are determined to ensure that a greater percentage of students can demonstrate an understanding of the unique theories and methods of a social or behavioral science. In order to continue to improve student success on this educational outcome, the Social and Behavioral Science faculty will continue the practice of requiring regular homework assignments that reinforce the unique theories and methods of the social and behavioral sciences. In addition to the comprehensive exam, the Social Science faculty has also incorporated course-based assessment using embedded questions on quizzes, assignments, and unit tests to create portfolios for longitudinal assessment of student mastery for this educational outcome.  (05/01/2020)</p>

<p><b>PLO 5 - Humanities &amp; Arts -</b> Develop knowledge and understanding of history, the arts, and literature.  <b>Outcome Status:</b> Active/Ongoing  <b>Assessment Year:</b> 2019 - 2020, 2020 - 2021  <b>Start Date:</b> 07/01/2016</p>	<p><b>Essay -</b> Course-based assessment using essay assignment and departmentally-developed rubric.  <b>Criterion:</b> Assessed by short papers and graded online discussion.  <b>Notes:</b> Analyze and interpret a historical issue.</p>	<p><b>Reporting Period:</b> 2019 - 2020 EoY  <b>Result Type:</b> Criterion Met  65% of the students measured mastered the student-learning outcome. (05/01/2020)  <b>Analysis:</b> The criterion was not met.</p>	<p><b>Action Taken (Use of Results):</b> In order to continue to improve student success on this educational outcome, the humanities faculty will continue the practice of requiring regular homework assignments that strengthen a student's ability to analyze and interpret a historical issue. In addition, the humanities faculty has also adopted an open source textbook so that all students will have access to the</p>
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	<p><b>Embedded Test Questions</b> - Course-based assessment using assignments to critique a piece of literature and/or a historical film.</p> <p><b>Criterion:</b> Using a rubric developed by a team of humanities faculty, students will be given an assessment in which they must critique several works of art. They must analyze and interpret each work citing specific examples to give support to their inferences.</p> <p><b>Notes:</b> Critique a particular work of art, music, theater or literature.</p>	<p><b>Reporting Period:</b> 2019 - 2020 EoY</p> <p><b>Result Type:</b> Criterion Not Met</p> <p>67% of the students measured mastered the student-learning outcome. (05/01/2020)</p> <p><b>Analysis:</b> The criterion was not met.</p>	<p>text the first day of class for free. The textbook we chose (OpenStax) is free for the students for use online and is only a nominal fee if they wish to purchase the hardback version. Ideally, more students will use the text because it is free. To help supplement the text, the faculty is in the process of developing additional online activities that correspond with the text. (05/01/2020)</p> <p><b>Action Taken (Use of Results):</b> In the upcoming academic year the faculty will continue to incorporate the use of additional multimedia aids to their lectors in order to appeal to students with diverse learning styles. The school has also identified this area as a growth area for the college and has started offering the course in a hybrid and online format during the academic year. (05/01/2020)</p>
<p><b>PLO 1# - Communication Skills</b> - Write, read, and listen critically and effectively..</p> <p><b>Outcome Status:</b> Active/Ongoing</p> <p><b>Assessment Year:</b> 2019 - 2020, 2020 - 2021</p> <p><b>Start Date:</b> 07/01/2019</p>	<p><b>Essay</b> - Students will write essays throughout the semester. Each course will require at least 12 pages of college level writing. Assessed by departmental developed rubrics.</p> <p><b>Criterion:</b> 70% of students finishing English 1010 will score at least a 70% in the content area of the rubric.</p> <p><b>Notes:</b> Express ideas clearly in written form</p>	<p><b>Reporting Period:</b> 2019 - 2020 EoY</p> <p><b>Result Type:</b> Criterion Met</p> <p>82.5% of the students measured achieved the desired standard. (06/01/2020)</p> <p><b>Analysis:</b> The criteria was met.</p>	<p><b>Action Taken (Use of Results):</b> For the 2020-21 academic year, faculty will update the English Composition textbook and also focus on creating additional online content for the English courses. (05/01/2020)</p>
	<p><b>Essay</b> - Students will write essays</p>	<p><b>Reporting Period:</b> 2019 - 2020 EoY</p>	<p><b>Action Taken (Use of Results):</b> For</p>

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	<p>throughout the semester. Each course will require at least 12 pages of college level writing. Assessed by departmental developed rubrics.</p> <p><b>Criterion:</b> 70% of students finishing English 1010 will score at least a 70% in the content area of the rubric.</p> <p><b>Notes:</b> Employ critical reading skills to analyze written material</p>	<p><b>Result Type:</b> Criterion Met</p> <p>88% of the students measured mastered the student-learning outcome. (05/01/2020)</p> <p><b>Analysis:</b> The criterion was met.</p>	<p>the 2020-21 academic year, faculty will update the English Composition textbook and also focus on creating additional online content for the English courses. (05/01/2020)</p>