

## BSHS Program Learning Outcomes Report Summary 2019

The following table summarizes the assessment of PLOs for the Bachelor of Science in Health Sciences (BSHS) program for assessment cycle 2018-19. This process is conducted regularly as part of the annual learning results assessments, which measure two or three PLOs for each program each year. This summary report is to be submitted to the EEC upon its completion.

<b>Program</b>	Bachelor of Science in Health Sciences
<b>Assessment Period</b>	Spring 2018 to Fall 2019
<b>Program Learning Outcomes (PLOs)</b>	<p>PLO 1 Integrate God’s Word within the health science industry and society</p> <p>PLO 2 Demonstrate effective oral and written communication</p> <p>PLO 3 Identify and evaluate key personal and organizational ethics affecting health care professionals</p>
<b>Closing the loop (from the last time these same PLOs were assessed)</b>	<p>Previous Assessment Cycle (BSHS Program Learning Outcomes Report 2015): .</p> <p>PLO1: While the PLO was not met, no changes were actually proposed as a result of the 2015 report. However, as part of the BSHS program review (pp. 10, 17, and Executive Summary, p. 6), HSCI100 Introduction of Health and Disease, was revised to strengthen the faith component in 2019</p> <p>PLO 2: No changes were proposed at this time</p> <p>PLO 3: No changes were proposed at this time</p>
<b>Standards of Success</b>	<p>PLO 1: Artifact Proficiency Standard: To have met two out of the three categories; Aggregate Achievement Standard: to have a benchmark of 80 percent</p> <p>PLO 2: Artifact Proficiency Standard: To have met two out of the three categories; Aggregate Achievement Standard: to have a benchmark of 80 percent.</p> <p>PLO 3: Artifact Proficiency Standard: To have met two out of the three categories; Aggregate Achievement Standard: to have a benchmark of 80 percent.</p>



<b>Evidence</b>	PLO 1: HSCI 100 Introduction to Health and Disease Signature Assignment 25 artifacts  PLO 2: HSCI 305 Genetics Signature Assignment 19 artifacts  PLO 3: HSCI 497 Senior Capstone Signature Assignment 19 artifacts
<b>Assessment Tool</b>	PLO 1: Direct-assessment rubric for evaluating artifact; inter-rater reliability exercise conducted.  PLO 2: Direct-assessment rubric for evaluating artifact; inter-rater reliability exercise conducted.  PLO 3: Direct-assessment rubric for evaluating artifact; inter-rater reliability exercise conducted.
<b>Assessors</b>	Dr. Donna Hoefner Dr. Aiwei Borengasser Dr. Joanna Vance (tie breaker)
<b>Results</b>	PLO 1: 25 artifacts 21 pass / 4 fail = 84% pass rate  PLO 2: 19 artifacts 18 pass / 1 fail = 94% pass rate  PLO 3: 19 artifacts 17 pass / 2 fail = 88% pass rate
<b>Discussion of Results</b>	PLO 1: According to the results measured against the performance levels of an 80% minimum pass rate for this criterion, the evidence demonstrates that PLO1 for HSCI 100 was exceeded. The BSHS PLO regarding integrating God's Word within the health science industry and society met the 80% minimum passing rate.  Out of the 25 artifacts assigned, 21 passed and 4 failed (for an 84% pass rate). The two primary raters agreed on 19 of the items, and a tiebreak was used for 6 items.  PLO 2:



	<p>According to the results measured against the performance levels of an 80% minimum pass rate for this criterion, the evidence demonstrates that PLO2 for HSCI 305 Genetics Signature Assignment was exceeded. The BSHS PLO regarding demonstrating effective oral and written communication met the 80% minimum passing rate.</p> <p>Out of the 19 artifacts assigned, 18 passed and 1 failed (for a 94% pass rate). The two primary raters agreed on all of the items, and a tiebreak was not used for any of the items.</p> <p>PLO 3: According to the results measured against the performance levels of an 80% minimum pass rate for this criterion, the evidence demonstrates that PLO3 for HSCI 497 Senior Capstone Signature Assignment was exceeded. The BSHS PLO regarding identifying and evaluating key personal and organizational ethics affecting health care professionals met the 80% minimum passing rate.</p> <p>Out of the 19 artifacts assigned, 17 passed and 2 failed (for an 88% pass rate). The two primary raters agreed on all of the items, and a tiebreak was not used for any of the items.</p>
<p><b>Rationale of Proposed Changes</b></p>	<p>PLO 1 Integrate God’s Word within the health science industry and society</p> <p>The next optional step could be to increase the sample size to confirm the results and to repeat the assessment exercise with another group of students.</p> <p>PLO 2 Demonstrate effective oral and written communication</p> <p>The next optional step could be to increase the sample size to confirm the results and to repeat the assessment exercise with another group of students.</p> <p>PLO 3 Identify and evaluate key personal and organizational ethics affecting health care professionals</p> <p>The next optional step could be to increase the sample size to confirm the results and to repeat the assessment exercise with another group of students.</p> <p>.</p>
<p><b>Rationale for Proposed Changes</b></p>	<p>PLO 1: No proposed changes at this time.</p> <p>PLO 2: No proposed changes at this time.</p> <p>PLO 3: No proposed changes at this time.</p>



<b>Financial Resources Required</b>	<p>PLO 1: Increasing sample sizes or testing additional artifacts will require additional funds for interrater reliability training and artifact assessment as determined by the Assistant Dean, Educational Effectiveness Committee, and Academic Dean when the next cycle of assessment for this PLO is determined.</p> <p>PLO 2: Increasing sample sizes or testing additional artifacts will require additional funds for interrater reliability training and artifact assessment as determined by the Assistant Dean, Educational Effectiveness Committee, and Academic Dean when the next cycle of assessment for this PLO is determined.</p> <p>PLO 3: Increasing sample sizes or testing additional artifacts will require additional funds for interrater reliability training and artifact assessment as determined by the Assistant Dean, Educational Effectiveness Committee, and Academic Dean when the next cycle of assessment for this PLO is determined.</p>
<b>Annual Learning Report for (program) Approved</b>	Approved by the Educational Effectiveness Committee on February 12, 2020.
<b>Follow Up (Closing the Loop for PLOs assessed in previous assessment cycle)</b>	<p>From the 2018 Assessment Report:</p> <p>According to the results measured against the performance levels of an 80% minimum pass rate for this criterion, the evidence demonstrates that the PLO #2 for HSCI 105 was exceeded. The BSHS PLO regarding demonstration of effective oral communication met the 80% minimum passing rate.</p> <p>No proposed changes at this time.</p> <p>From the 2018 Assessment Report:</p> <p>According to the results measured against the performance levels of an 80% minimum pass rate for this criterion, the evidence demonstrates that the PLO #6 for HSCI 491 was met. The BSHS PLO regarding demonstration of mastery of discipline-specific competencies in the field of health sciences met the 80% minimum passing rate.</p> <p>No proposed changes at this time.</p>