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BSHS Annual Learning Results Summary, AY 2016-17

The following table summarizes the assessment of PLOs for the Bachelor of Science in Health Sciences (BSHS) program for assessment cycle 2016-17. 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.

Program	Bachelor of Science in Health Sciences
Assessment Period	Summer 2016 to Spring 2017
Program Learning Outcomes (PLOs)	PLO 4- Utilize technology in statistical analysis and data management. PLO 5 - Examine cultural and diversity issues with interpersonal health care. PLO 6 - Implement specific organizational functions and processes within the health sciences field.
Standards of Success	PLO 4: Student paper scores for the APSY 300 -Research Project 5 Assignment will be 'Satisfactory' or higher as measured by the writing assignment rubric. Satisfactory equates to an 80% level. PLO 5: Student paper scores for the HSCI 320 - Global Health Care Assignment will be 'Satisfactory' or higher as measured by the writing assignment rubric. Satisfactory equates to an 80% level. PLO 6: Student paper scores for the HSCI 497B Capstone Written Report will be 'Satisfactory' or higher as measured by the writing assignment rubric. Satisfactory equates to an 80% level.
Evidence	PLO 4: Week 8 Research Project Part 5- Statistical Analysis assignment for APSY 300 Sample Size: 25 artifacts (51% of 49) PLO 5: Week 8 Global Health Care Assignment HSCI 320 Sample Size: 18 artifacts (50% of 36) PLO 6: Week 8 Capstone Written Report for HSCI 497B Sample Size: 12 artifacts (75% of 16)
Assessment Tool	PLO 4: Direct-assessment rubric for evaluating artifact; inter-rater reliability exercise conducted. PLO 5: Direct-assessment rubric for evaluating artifact; inter-rater reliability exercise conducted. PLO 6: Direct-assessment rubric for evaluating artifact; inter-rater reliability exercise conducted.

Assessors	Dr. Donna Hoefner Dr. Robert Carter Dr. Aiwei Borengasser (tie-breaker)
Results	PLO 4: 19 out of the 25 samples passed (76%) PLO 5: 15 out of the 18 samples passed (83%) PLO 6: 8 out of the 12 samples passed (67%)
Discussion of Results	PLO 4: There was an 80% consistency between Assessor 1 and Assessor Future research could still investigate whether there were any common traits that emerged from the failures or successes of the *APSY 300-Research Project 5 Assignment* pass rates. For example, several failed artifacts in this assessment failed to provide a satisfactory rationale for the selected statistical analysis, even though the methodology chosen was proper. PLO 5: The results indicated that the HSCI 320 artifacts demonstrated a strong correlation between proficiency and mastery skills with regard to written communication. For this randomized sample size, the learners have demonstrated an understanding of the cultural and diversity issues of the featured and socialized and decentralized medicine. PLO 6: There was 33% (4 out 12 artifacts) inconsistency in the scoring between the two preliminary assessors, indicating that either the rubric needs to be modified or the assessors need to be retrained or combined.
Proposed Changes	Proposed changes for PLO 4 include: ● Identify common traits from the failures and successes of the pass rates in order to more explicitly determine the level at which students can analyze statistical data Proposed changes for PLO 5 include: ● Increase the sample size to confirm the results prior to changing the artifact, assessment methods, or course design. Proposed changes for PLO 6 include: ● Clarify the PLO. It is possible that additional refinement of the PLO wording would help reviewers to more accurately measure whether students are able to effectively implement specific organizational functions and processes. ● Review the course to determine the consistency between the artifact, the artifact rubric, and the PLO.
Rationale for Proposed Changes	PLO 4: Utilizing technology in statistical analysis and data management is a key outcome in the BSHS program. It is expected that every BSHS student demonstrates proficiency in the PLOs of the program and therefore must demonstrate at least a proficiency in this PLO 4. PLO 5: No proposed changes at this time. PLO 6: 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 497B was not met. Implementing specific organizational functions and processes within the health sciences field is a key outcome in the BSHS program. It

	is expected that every BSHS student demonstrates proficiency in the PLOs of the program and therefore must demonstrate at least a proficiency in this PLO 6.
Financial Resources Required	PLO 4: Minimal, included in normal course revision budget. PLO 5: Minimal, included in normal course revision budget. PLO 6: Minimal, included in normal course revision budget.
Annual Learning Report Approved	June 6, 2018
Follow Up (Closing the Loop)	For the 2015 annual assessment, there were no recommended suggestions at this time.