2016 Assessment Results, Pueblo Community College

Examples of Assessment Methods, Findings, and Use of Results

Program	Program Student Learning Outcome	Aligned Institution-level Outcome	Assessment Method/Tool	Assessment Finding
Dental Hygiene	Collect, analyze and interpret data to determine a comprehensive periodontal treatment plan	ISLO1: Critical Thinking & Problem Solving	Capstone Case Study Project	Students achieved an average score of 95%; formulating conclusions was the lowest scoring category
Use of Results: The use of diagnostic models has proved effective and will be continued, but the expectations for the capstone project will be revised to emphasize critical thinking skills related to interpreting patient data to support conclusions by including medical alerts, conditions, necessary modifications to treatment plan, explanations of pharmacological effects observed or expected, and signs and/or symptoms noted.				
Nursing	Engage in critical thinking and clinical reasoning to make patient-centered care decisions	ISLO1: Critical Thinking & Problem Solving	Written Exam	
Use of Results: Faculty are developing an interactive Softchalk lesson to facilitate understanding and application of each step of the Nursing Process in delivering competent, comprehensive, patient-centered care.				
Accounting	Prepare and analyze financial statements	ISLO2: Effective Communication	Series of Quizzes	68% of students achieved a score of 80% or higher on quiz and test questions pertaining to the expectations for financial statements
Use of Results: To give students the additional time and practice needed with financial statements, financial statements will be incorporated into multiple chapters as opposed to the one single chapter that financial statements have been taught from in the past.				
Health Information Technology	Apply medical vocabulary as it relates to Health Information Technology	ISLO2: Effective Communication	Performance Demonstration	91% of students achieved a score of 70% or higher on the audio assessment testing pronunciation of medical terms.
Use of Results: New methods practicing and improving pronunciation and fluency in medical terminology, including flash cards, assignments requiring segmentation into term components, and synchronous sessions will be implemented in conjunction with other HIT courses.				
Chemistry	Apply scientific notation and significant figures in measurement and stoichiometric calculations (interconverting masses, moles, number of particles, and volume)	ISLO3: Quantitative Reasoning	Pre-test and Post-test	76% of students achieved an "Accomplished" score or better on the first exam, while only 57% demonstrated the same level of performance on the final exam.
Use of Results: Students demonstrated competency in straightforward stoichiometry problems, using the proper number of significant figures and units with little error in calculations, but they struggled with concentration conversions, so both areas will be reevaluated to determine if the issue stems from concentration problems in general or with incorporating stoichiometry and concentration together.				
Mathematics	Analyze and evaluate data, then synthesize (graph and interpret) the information to solve a signature problem in MAT 121.	ISLO3: Quantitative Reasoning	Final Exam	58% of the students correctly graphed the function. 70% of the students correctly determined the function's maximum point.
Use of Results: During the spring 2017 semester, more graphing activities, such as homework, quizzes, and projects, will be implemented to help students become more proficient in this skill. This problem, or one similar to it, will be reassessed during the next cycle.				
Culinary Arts	Use technology common to industry settings in food service operations	ISLO4: Textual Literacy	Performance Demonstration	60% of students achieved a score of 3 or higher on the Equipment Safety Checklist (50% in spring, 75% in fall)
Use of Results: The Equipment Safety Checklist was revised for clarification between spring and fall semesters, leading to greater understanding among students of the components needed to succeed on this assessment. We will further refine the assessment tool to reduce redundancies and plan assessments so that they fall at more meaningful points in students' progression through the program.				

Nursing Assessment Finding:

Score	% of Students
> 80%	32%
60-80%	57%
< 60%	43%

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Program	Program Student Learning Outcome	Aligned Institution-level Outcome	Assessment Method/Tool	Assessment Finding	
English	Integrate source information using a variety of strategies	ISLO4: Textual Literacy	Final Researched Argument Essay	Skills Dimension	% Scoring Accomplished (3) or above
				Source Integration	46%
				In-Text Citations	43%
				Works Cited	39%
Use of Results: We will develop an in-class activity that uses sample sources as well as those students have found in their own research to offer hands-on practice with source integration, including embedding quotes and paraphrases, in-text citations, and works cited entries. Further opportunities to practice, especially with authentic research, will help improve student learning and performance on this SLO.				
Early Childhood Education	Collaborate in teams to develop lesson plans and a flier focused around all of the developmental domains	ISLO5: Professionalism & Social Consciousness	Group Project	83% of students achieved an "Accomplished" score of 3 or higher on group presentation skills	
	Use of Results: Since students' comfort level in presenting to a group can negatively impact results, instructors will spend more time explaining the expectations of the assignment rather than relying only on the expectations outlined in the rubric to convey such guidance.				
Radiologic Technology	Demonstrate competence in a simulated orthopedic surgery procedure	ISLO5: Professionalism & Social Consciousness	Performance Demonstration	100% of students achieved a score of 75% or higher but seemed to need additional time to complete the surgical simulation lab.	
	Use of Results: This assessment seemed to be highly successful and valuable to students, and we will continue to use it but will decrease the number of students in the lab at one time and increase the amount of time they have to complete the assessment.				