Student Learning Results - A.A.S. Degree in Computer Information Systems

Performance Measure: For each assessment, identify the following - 1. Academic Program, 2. Student Learning Outcome, 3. Measurable Goal	What is your measurement instrument or process? Do not use grades. Indicate type of instrument (e.g. direct, formative, internal, comparative)	Current Results: What are your current results?	Analysis of Results: What did you learn from your results?	Action Taken or Improvement Made: What did you improve or what is your next step?	Provide a graaph or table of resulting trends (3-5 data points preferred)
Academic Program: AAS Degree in Computer Information System (DP-AAS) **SLO:** Students will understand and demonstrate the fundamental concepts of operating systems, spreadsheets, word processing software, and presentation software; and communicate effectively through reading and writing. Students will complete various assignments to demonstrate proficiency. **Goal**: 70% of the students will meet the objective.	Data will be collected based on the completion of a hands-on laboratory assignment. The assignment involves the creation and modification of a variety of Word documents, including a formal business letter, newsletter, resume, research paper, and advertisement. Techniques employed in this project include the use of text and graphic formatting, footnotes, citations, bibliography, lists, tables and column manipulation, as well as managing file properties and using compressed file extraction methods. Note: this course supports outcomes for multiple software products. This assessment tool measures Windows 10 and Word 2016 outcomes.	The rubric was as folows: Excellent: Students received a grade of 90-100% Good: Students received a grade of 80-89% Satisfactory: Students received a grade of 70-79% Poor: Students received a grade of 60-69% or lower. Failing: Students received a grade of 59% or lower.	The data suggests that in 2019, 83% of the students were "satisfactory or good or excellent". The majority of the students were able to meet the learning objectives very well for this assignment. The students were able to create and satisfactorily complete the required documents using the necessary competencies.	As the technology is constantly changing and the college is likely to be introducing new versions of the software, the assignment will be modified at that time to reflect the new expertise that will be required for the students to keep pace with the updates in the software.	CIS 101 - Introduction to Microcomputer Applications

Performance Measure: For each assessment, identify the following - 1. Academic Program, 2. Student Learning Outcome, 3. Measurable Goal	What is your measurement instrument or process? Do not use grades. Indicate type of instrument (e.g. direct, formative, internal, comparative)	Current Results: What are your current results?	Analysis of Results: What did you learn from your results?	Action Taken or Improvement Made: What did you improve or what is your next step?	Provide a graaph or table of resulting trends (3-5 data points preferred)
Academic Program: AAS Degree in Computer Information System (DP-AAS) **SLO**: Using crtical thinking, students will learn to construct and use Databases (DB) to solve business needs. The DBs will include macros, VBA, and menus. **Goal:** 70% of the students will meet the objectives.	Data will be collected based on the completion of a hands-on laboratory assignment. The assignment involves management of a fictitious database. Project activities include table data validation, importing and exporting of data to and from other sources, creation and execution of various complex queries, and creation of calculated fields. Other project tasks involve creation of complex forms using combo boxes for data retrieval, modifying tab sequence, inserting Excel chart data, and creation and modification of detail and summary reports. A series of hands-on faculty developed and publisher-designed assignments that guide students in the development of databases. The instruments are direct, formative, internal and external, and comparative.	A rubric was created as follows: Excellent: Students received a grade of 90-100% Good: Students received a grade of 80-89% Satisfactory: Students received a grade of 70-79% Fair: Students received a grade of 60-69% Poor: Students received a grade of 59% or lower	The data suggests that 87% of the students met the objective. The data suggests that the majority of the students were able to meet the learning objectives very well for this assignment. The students were able to manage a database, perform complex queries, validate data, import and export data from various sources, create calculated fields, create forms and reports with advanced functionality.	The students clearly met the learning objectives very well. However, including additional questions or re-wording of some of the existing questions could be considered, in order to introduce additional critical thinking and rigor to this assignment. The excellent student performance on this assignment was not reflected in the student performance on exams, which were more theoretical in nature and required more analytical skills than this assignment.	**CIS 208 - Data Base Management Systems** % of Students Meeting Goal 100 90 80 70 60 2012 (n=29) 2015 (n=29) 2019 (n=29)