

1. Analyze, design, implement, and maintain an information system.								
Fall 2021: SLO 1a – Analysis and Design Information Systems (CIS315 Linux Fundamentals)	2014: CIS432 Senior Professional Project	Direct measure: Students were given a programming assignment to solve a problem using shell script	22 students from CIS315 Linux Fundamentals	We expect that at least 80% of the students either meet or exceed expectation (Need improvement, meet expectation, and exceed expectation, are the three achievement levels from low to high).	77.3% of students evaluated met either “exceeds expectations” or “meets expectations.”	77.3% of the students met or exceeded expectations. While it is lower than the expected result of 80%, the result is still at an acceptable level. Continued monitoring of student analysis and design skills is needed.	Work with the CIS315 course instructor to continue to monitor student information systems analysis, design, implementation, and maintenance skills. Discuss with the CIS315 instructor for the possibility of introducing additional training materials and activities to increase student information systems analysis, design, implementation, and maintenance skills.	
Fall 2021: SLO 1b – Implement and Maintain Information Systems (CIS315 Linux Fundamentals)	Spring 2019: CIS271 Advanced Program Design with Java	Direct measure: Students were given a programming assignment to solve a problem using shell script	22 students from CIS315 Linux Fundamentals	We expect that at least 80% of the students either meet or exceed expectation (Need improvement, meet expectation, and exceed expectation, are the three achievement levels from low to high).	77.3% of students evaluated met either “exceeds expectations” or “meets expectations.”	77.3% of the students met or exceeded expectations. While it is lower than the expected result of 80%, the result is still at an acceptable level. Continued monitoring of student system implementation and maintenance skills is needed.	Work with the CIS315 course instructor to continue to monitor student information systems analysis, design, implementation, and maintenance skills. Discuss with the CIS315 instructor for the possibility of introducing additional training materials and activities to increase student information systems analysis, design, implementation, and maintenance skills.	
2. Communicate clearly in writing and speaking.								
Spring 2022: SLO 2a – Written Communication (CIS432 Senior Professional Project)	Spring 2020: CIS432 Senior Professional Project	Direct measure: Students were given an assignment to write a thorough reflection report regarding the progress and their contributions to the senior project.	23 students from CIS432 Senior Professional Project	We expect that at least 80% of the students either meet or exceed expectation (Need improvement, meet expectation, and exceed expectation, are the three achievement levels from low to high).	100% of students evaluated met either “exceeds expectations” or “meets expectations.”	100% of students evaluated met either “exceeds expectations” or “meets expectations.” This is much higher than the result of the previous assessment in 2020 (69.6% of the students met or exceeded expectations.)	No additional action is needed at this time.	
Spring 2022: SLO 2b – Oral Communication (CIS432 Senior Professional Project)	Spring 2020: CIS432 Senior Professional Project	Direct measure: Each student was assessed individually during the final project presentation	24 students from CIS432 Senior Professional Project	We expect that at least 80% of the students either meet or exceed expectation (Need improvement, meet expectation, and exceed expectation, are the three achievement levels from low to high).	75% of students evaluated met either “exceeds expectations” or “meets expectations.”	75% of the students met or exceeded expectations. While it is lower than the expected result of 80%, the result is still at an acceptable level. Continued monitoring of student oral communication skills is needed.	Review the CIS curriculum map and identify courses that involve the training and assessment of written communication skills. In these courses continue to monitor the student demonstration of these skills.	
3. Work effectively as a team member for a common purpose.								
4. Identify ethical issues and provide alternatives or solutions.								

Comments on part I:	<p>Summary and comments: In AY 2021-2022, we assessed SLO 1 (1a, 1b) and SLO 2 (2a, 2b):</p> <p>SLO 1: Analyze, design, implement, and maintain an information system. 1a. Analyze problems and design information system solutions to the problems: <i>A programming assignment for assessing student system analysis and design skills were given to students of CIS 315 (Linux Fundamentals). The assignment instruction and evaluation rubrics are provided in appendix I.</i></p> <p>1b. Implement and maintain information system solutions: <i>A programming assignment for assessing student system implementation and maintenance skills were given to students of CIS 315 (Linux Fundamentals). The assignment instruction and evaluation rubrics are provided in appendix I.</i></p> <p>SLO 2: Communicate clearly and effectively in writing and speaking. 2a. Use and Produce high quality written communication: <i>Students' written communication skills were assessed through their reflection report assignment (CIS 462 Senior Professional Project). The written assignment instruction and evaluation rubrics are attached in appendix II.</i></p> <p>2b. Effectively use oral communication <i>Students' oral communication skills were assessed through their final team project presentation (CIS 462 Senior Professional Project). Each student was assessed individually. The presentation schedule and evaluation rubrics are attached in appendix III.</i></p> <p>The assessment results show:</p> <ol style="list-style-type: none"> SLO1a: 77.3% of students evaluated met either "exceeds expectations" or "meets expectations". SLO1b: 77.3% of students evaluated met either "exceeds expectations" or "meets expectations". SLO2a: 100% of students evaluated met either "exceeds expectations" or "meets expectations". SLO2b: 75% of students evaluated met either "exceeds expectations" or "meets expectations". <p>The results indicate:</p> <ol style="list-style-type: none"> SLO 1a: Continued monitoring of student system analysis and design skills is needed. SLO 1b: Continued monitoring of student system implementation and maintenance skills is needed. SLO 2a: 100% of the student evaluated either met or exceeded our expectations. This suggests that our students have very good written communication skills. SLO 2b: Continued monitoring of student oral communication skills is needed. 			
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II. Closing the Loop. Describe at least one data-informed change to your curriculum during the year cycle. These are those that were based on, or implemented to address, the results of assessment from previous cycles.

A. What SLO(s) or other issues did you address in this cycle? Please include SLOs verbatim from the assessment plan, as above.	B. When was this SLO last assessed to generate the data which informed the change? Please indicate the semester and year.	C. What were the recommendations for change from the previous assessment column H and/or feedback?	D. How were the recommendations for change acted upon?	E. What were the results of the changes? If the changes were not effective, what are the next steps or the new recommendations?

Comments on part II:

[APPENDICES](#)