2014 Fall Term
Outcomes Assessment Report

A learning-focused program must know what it intends the students to learn and whether that learning has actually been achieved. It is not only important to collect data, but to use the data to improve programs and student learning. Therefore, the intent of assessment is to identify strengths and weaknesses and then to implement changes in an effort to improve. These changes could impact a number of aspects of the program: curriculum, staffing, facilities, internal processes, and intended student learning outcomes. Continuous evaluation of the impact of changes made completes one cycle of the ongoing process of improvement.

Department: CTIS

Program: Computer Information Systems

Date of Report: 10/16/2014

Members of Reporting Committee: Dr. Lori Nicholson, Dr. Molly Curnyn, Mr. James Hansen, Dr. Tim Garvin

Department/Program Curriculum Map has been completed and submitted. YES X NO

Type of Measure
Indicate whether this report documents the department’s direct or indirect measure, click the appropriate box.

X Direct Measure

Indirect Measure

Department/Program Goals and Outcomes:
Provide a current listing of your department/program’s goals and outcomes.

Goals:
1) to provide students with breadth of background in introductory computing concepts,
2) to provide opportunities for students to experience professional growth,
3) to provide student with a depth of knowledge in a field of specialization,
4) to prepare students to recognize and adapt to changes in the occupational environment,
5) to provide students with opportunities for experience relevant to careers in Computer Information Systems.

Outcomes:
• 70 percent of the students will score above 70% on the Pretest/Posttest Assessment and above 70 percent on the accompanying Lab Assignments,
• 90 percent of the students will achieve an acceptable or higher rating on both of their Capstone Seminar projects and both presentations,
• 70% of the students taking the exam will score above 140 on the 200 point examination.
**Assessment Activity/Measure:**
*Describe the assessment used to measure student outcomes/achievements.*

Computing & Information Systems Knowledge Inventory (referred to as the pre-test/post-test assessment)

Battery of computer application laboratory assignments

Group and Individual Capstone Seminar Projects and Presentations

Assessment Examination Instrument

**Findings:**
*What were the findings/results of the planned activities listed above? What conclusions or discoveries were made from these results? (What learning do you want to improve? Based on ...Data? Experience?)*

For Fall 2013 63.6.% of the Computer Information Systems (CIS) majors scored at 70% or above on the CIS 132 post test this is up significantly from 56.35% in Fall 2012. Although it is improving, it needs to improve a bit more to meet the 70% desired outcome level.

11 out of 11 CIS students scored at or above 70% on the labs resulting in 100.0% of CIS students meeting the desired outcome.

7 of 7 CIS students scored at or above an acceptable (80% score) rating on all four of their capstone seminar projects and presentations for a 100% level of meeting this outcome

The 200-point assessment instrument is still being tested and refined, with overall scales and appropriate subscales a part of the development process.

**Change(s)/Action(s) to be taken:**
*Did the findings lead to program changes? If so, describe the changes made. If not, describe why changes were not needed. How have you used the data? What recommendations have been determined for improving student learning? What is really working?*

These findings indicate that our improvement efforts are working and that we need to continue them and perhaps intensify them even further.

We have also made progress in modeling appropriate behavior for students and in conveying instructor expectations to them.

We have continued to improve both the design and the use of our rubrics.
**Budget Items**

*List budget items linked to actions taken and implications for change.*

Additional costs for photocopying and optical mark recognition forms continue to be needed/incurred. Additional analysis costs are being incurred. Funding for exploring automated IT skills and knowledge assessment may be needed in the near future.

**EXTRA: Assessment Success Story**

*Provide a summary of your department’s exemplary assessment practice(s).*

We have continued the testing and refining of rubrics for providing even better feedback to students and improved assessment data to CTIS faculty. We have also made use of the rubrics in multiple ways that have proven beneficial.