Assessment for MGIS 3310 – Spring 2012

Objective: Check to see if learning is occurring and where improvements can be made in MGIS 3310 – Introduction to Information Systems. This class is a core requirement for all College of Business Administration majors.

Procedure: On the first day of class, a 30 question exam was administered to two sections of MGIS 3310. The exam had three questions for 10 major topics covered in the course. These topics are: Broad overview of Information Systems, Internet, Hardware, Software, Telecommunications/Networking, Database, Electronic Business, Electronic Commerce, System Analysis & Design, and Applications.

These questions were then included as part of the exams given during the semester. The table below shows the average percentage of students who got the questions correct on the pre-test and the percentage of students who got the questions correct on the post-test, along with the percent change.

These questions were also categorized into the three Learning Outcomes listed below. These numbers are also presented.

Learning Outcomes: The MIS faculty identified three learning outcomes for the MGIS 3310 course.

1. Understanding the components of a computer based information
2. Understanding the role of Information systems in the business organization
3. How to use Information Systems to solve business problems

Results: The results of the study indicate that significant improvement was made in terms of learning the material. In 2008, “Software” was identified as an area that could be improved. More emphasis was placed on this topic and an improvement was realized from a 53.7% correct in 2008 to a 69.9% correct score in 2012. Possible areas for improvement could be in the coverage of “Internet” which had the smallest Post-Test % Correct.

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| Topic | Pre-Test % Correct | Post-Test % Correct | % Change |
| Overview of Information Sys. | 52.82% | 88.60% | 68% |
| Internet | 7.18% | 61.16% | 752% |
| Hardware | 16.41% | 70.61% | 330% |
| Software | 19.49% | 69.91% | 259% |
| Telecommunications/Network | 7.69% | 71.30% | 827% |
| Database | 24.62% | 69.05% | 181% |
| Electronic Business | 29.74% | 72.86% | 145% |
| Electronic Commerce | 14.36% | 82.38% | 474% |
| System Analysis & Design | 29.23% | 81.90% | 180% |
| Excel Application | 12.31% | 81.94% | 566% |
| Average of All | 21.38% | 74.97% | 378% |

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| Topic | Pre-Test % Correct | Post-Test % Correct | % Change |
| Understanding the components of a computer based information | 12.69% | 68.24% | 542% |
| Understanding the role of Information systems in the business organization | 52.82% | 88.60% | 68% |
| How to use Information Systems to solve business problems | 22.05% | 77.60% | 309% |