Online Assessment Tracking Database

Sam Houston State University (SHSU)
2014 - 2015

Management Information Systems BBA

Goal

Management Information Systems- A Broad Base Of Knowledge

The goal of the BBA program in Management Information Systems is to provide students with a broad base of knowledge in the Management Information System discipline.

Objective (L)

Systems Analysis And Design

Students who complete the BBA in Management Information Systems will demonstrate an understanding of the design and application of information systems in business and a knowledge of the tools and processes used in systems analysis and design. (MGIS4340)

Indicator

Systems Analysis And Design Pre-Test, Post-Test, And Rubric

Assessment will be made using performance on exams for the subject matter terminology and the design/application of information systems and the tools/processes used to achieve such designs. A rubric will be used to assess skills in systems analysis and design. (MGIS4340)

Criterion

Systems Analysis And Design: Improvement On Post-Test And Rubric Scores

The class average on the vocabulary exam will be 70% correct.

The rubric is based on the four phases of development methodology. A draft version of each phase I-III deliverable is graded as well as a final version. Only one version of the phase IV deliverable is graded as this phase is an outline of deliverables (installation guidelines, recovery guidelines,etc.). Management Information Systems majors will receive a score of at least 70% on the Management Information Systems final draft rubric. (MGIS4340)

Finding

Vocabulary Exam Results

The Systems Development Life Cycle (SDLC) is the methodology taught in this course. It has four phases for a project. Therefore, the vocabulary exams are organized according to the phases. The results are:

Systems Planning and Selection
30 MIS majors
Average: 97.5
System Analysis
30 MIS Majors
Average: 96.83
Systems Design & Systems Implementation/Operation
30 MIS Majors
Average: 93.5

Finding

Project Rubric - Phase I: Systems Planning And Selection

30 MIS Majors
Draft: 74.75%
Final: 90.21%

Finding **Project Rubric - Systems Analysis**

30 MIS Majors
Draft: 57.17%
Final: 89.79%

Finding **Project Rubric - Systems Design**

30 MIS Majors
Draft: 69.67%
Final: 88.0%

Finding **Project Rubric - Systems Implementation And Operation**

30 MIS Majors
Final: 87.34%

Action **Systems Analysis Focus**

The vocabulary exams indicate that this is not an issue for the MIS majors.

Looking at the course concepts as applied to a project, usually involving an actual client, the following conclusions are made.
1. Given feedback and a chance to revise the material for partial credit, each phase of the SDLC project results in satisfactory perfromance (>70% mastery of material).
2. To achieve continuous improvement, the next step will be to enhance the material related to the System Analysis phase which had the lowest pre-revision score on the project material. Additional examples and assignments will be added to the course to give the students more chances to learn the material, centered on technical documentation, and be able to apply the material more successfully the first time.

Objective (L) **Electronic Commerce**

Students who complete the BBA in Management Information Systems will demonstrate the ability to implement business oriented systems for electronic commerce and skills in using Internet technologies. (MGIS4320)

Indicator **Electronic Commerce Assessment**

Assessment will be conducted testing specific skills the students perform on assignments and exams. The assessment will be done in MGIS4320 - Electronic Commerce Implementation.

Criterion **Electronic Commerce Criterion**

Students will average at least a 70% mastery level in the following areas:
XHTML, CSS, Graphics, and JavaScript.

Finding **XHTML Knowledge Level**

33 MIS Majors
Homework Assignments (3): Average 88%

Exam problems related to XHTML: Average 74.11%

Finding

CSS Knowledge Level

33 MIS Majors
Homework Assignments (2): Average 82.7%
Exam problems related to CSS: Average 70.6%

Finding

Graphics Knowledge Level

33 MIS Majors
Homework Assignments (2): Average 78.3%
Exam problems related to graphics: Average 69.7%

Finding

JavaScript Knowledge Level

33 MIS Majors
Homework Assignments (1): Average 72.5%
Exam problems related to javascript: Average 76.5%

Action

Skills Action

Based on the "Findings," Students have a good understanding of the various skills. In going forward, less time will be spent on XHTML in order to devote more time to Javascript and Graphics.

Regarding the "Findings" from the Graphics Knowledge Level, it is the instructor's perception that the students perform well when directed towards what specific graphics tools to utilize, but not so well on being able to choose which tool to use when. Assignments will be modified to steer them in the right direction.

Objective (L)

Programming

Students who complete the BBA in Management Information Systems will demonstrate the ability to analyze and define business problems from a programming perspective and an understanding of the basic concepts of programming, problem solving, and program logic. This includes the understanding of fundamental concepts of procedural, object-oriented, and event-driven programming paradigms and the ability to apply them to solve business problems. (MGIS2320)

Indicator

Programming Pre-Test, Post-Test, And Rubric

Assume that students have little or no prior knowledge of the topics; assessment will be made using three examinations to evaluate both the understanding of fundamental concepts of the three programming paradigms (procedural, object-oriented, and event-driven) and the ability to apply them to solve business problems. Common multiple-choice questions will be used to assess the understanding, while coding problems will be used to assess the ability to apply. (MGIS2320)

Criterion

Programming: Improvement On Post-Test And Rubric Scores

The average across class sections on each exam will be 70% correct. The class average on the section

testing the understanding of fundamental concepts of both procedural and object-oriented paradigms will be 70% correct. Also, the class average on the section testing the ability to apply the concepts of concepts of both procedural and object-oriented paradigms will be 70% correct. The class average on the exam on event-driven paradigm will be 70% correct; this last exam contains one coding problem, combining the understanding and application. We are particularly interested to determine whether our interventions are working with the procedural paradigm, a weakness that emerged in 2010-2011. (MGIS2320)

Action **Programming To Be Assessed In Spring 2016**

This course will be assessed in a future semester.

Objective (L) **Information Systems**

Students who complete the BBA in Management Information Systems will demonstrate an understanding of basic computer technology concepts and the development and use of information systems in organizations. (MGIS3310)

Indicator **Information Systems Concepts Performance**

Assessment will be made by looking at performance on exams and through class/homework assignments on computer technology, the role of information systems in organizations, components of an information system and Excel skills. (MGIS3310)

Criterion **Information Systems: Improvement On Post-Test Scores**

The target class average on post-test questions will be 70% correct.(MGIS3310)

Action **MGIS3310 To Be Assessed In Fall2015**

This course was originally scheduled to be assessed in the Spring 2015. The Excel committee, which was formed to develop a college-wide strategy and approach for developing Excel skills, has not completed their planning. The MIS faculty will determine our desired assessment goals and approach for the semesters until the college-wide plan is in place.

Objective (L) **Networking**

Students who complete the BBA in Management Information Systems will demonstrate an understanding of telecommunications services and networking technologies and skills in installing and managing networks within business organizations. (MGIS4350)

Indicator **Tests And Networking Project**

Assessment will be made using test performance on understanding of telecommunications services and networking technologies. A project will be used to assess skills in working as a team to install and manage a network. (MGIS4350)

Criterion **Tests And Networking Project**

The class average on individual test questions will be 70% correct. Test questions will be included on each unit examination. Seventy five percent of Management Information Systems majors will receive a score of at 70% on the Test and the Networking Project. Last year we handily met the criterion for the networking project but not the test. We will be particularly interested to determine whether our interventions helped raise performance on the common test questions. (MGIS4350)

Action **Networking To Be Assessed In Fall 2017**

This course is to be assessed in Fall 2017.

Objective (L) **Database**

Students who complete the BBA in Management Information Systems will demonstrate an understanding of the design and implementation of database applications and how database software works and its inclusion in design solutions. (MGIS3330)

Indicator **Database Pre-Test, Post-Test, And Rubric**

Assessment will be made using post-test performance on design and implementation of database applications and how database software works. The first two tests also include problems that will reflect performance on two specific learning objectives, specifically design and SQL programming. (MGIS3330)

Criterion **Database: Improvement On Post-Test And Rubric Scores**

Students are assumed to have no previous knowledge of database design and implementation skills and are not given a pretest. The class average on individual post-test questions will be 70% correct. Post-test questions will be included on each unit examination. In addition, there are two problems in the first two tests and students should score at least 70% on them. Last year we determined that increasing the value of the SQL homework might encourage students to complete it. We are anxious to determine whether this intervention increased the SQL score. (MGIS3330)

Action **Database I To Be Assessed In Spring 2016**

This course is to be assesseed in a future semester.

Previous Cycle's "Plan for Continuous Improvement"

The MGIS faculty assessment review meeting for 2013-2014 was held with Dr. Gerald Kohers, Department Chair, in attendance. Course assessments were completed for the Programming course (MGIS2320) and the Database course (MGIS3330).

Results for the Programming course (MGIS2320) indicated a need to gather more detailed information in order to try to pinpoint specific skills/functions that students need more targeted help with. In order to gather the detailed information needed a more detailed rubric will be developed and used.

The Database course (MGIS3330) assessment resulted in a recognition that material in that area has grown considerably, resulting in the need for two database courses to adequately cover the material. Therefore, there will be two courses, one for foundational material and a second course focusing on more advanced SQL and procedural language material. Since the second class will build on the first class, the assessment for database material will take place in the second course (MGIS4330) in the future.

Please detail the elements of your previous "Plan for Continuous Improvement" that were implemented. If elements were not implemented please explain why, along with any contextual challenges you may have faced that prevented their implementation.

No update has been added to this level.

Plan for Continuous Improvement - Please detail your plan for improvement that you have developed based on what you learned from your 2014 - 2015 Cycle Findings.

A meeting was held with the MGIS faculty and Dr. Gerald Kohers, department chair, in attendance. Assessments for the Systems Analysis & Design (MGIS4340) and Electronic Commerce (MGIS4320) courses were discussed.

Results from the Systems Analysis & Design (MGIS4340) course indicated that there were no issues with the vocabulary/terminology portion of the material. Results from the applied project material rubric review indicated that the weakest area of learning is the System Analysis phase which is made up of technical documentation such as Data Flow Diagramming. To support the learning process in this area and improve the pre-revision application of material more applied homework and inclass assignments will be developed and used.

The results from the Electronic Commerce (MGIS4320) course assessment shows the focus can now shift from XHTML to Javascript and Graphics. Additionally, graphic tool selection will be focused on to improve the Graphics Knowledge area.