

Texas State University

Outcomes Report

General Information

Academic Year:	2019-2020
College:	Business
Department:	CIS & Quantitative Methods
Program:	Accounting and Information Technology (MS)
Program Code:	30.16
Outcome Type:	Student Learning (GR)
Degree:	Masters
Coordinator/Contact:	Dr. Hsun-Ming Lee
Status:	Data Entry Closed

Mission Statement

The mission of the Master of Science in Accounting Information Technology (MSAIT) program is to prepare students for successful careers in the accounting and information technology professions. The MSAIT program emphasizes oral and written communication, information technology, and technical and research skills needed for a careers in accounting and information technology.

Evidence of Improvement

In the academic year (AY) 2019-2020, MSAIT students were assessed on their ability of critical thinking, information technology, communication, and teamwork. By comparing to prior results, the assessment indicates improvement in the following area:

Outcome 3: Students will apply analytical and critical thinking skills to evaluate information, solve problems, and make sound decisions in accounting and information technology problems. Students will synthesize and evaluate the relevance of data and demonstrate analytical and critical thinking skills in exploring new questions, analyzing complex issues from multiple perspectives and arrive at reasoned conclusions.

Method 2:

For ACC 5375 (Business Consulting), there has been improvement. After the instructor placed emphasis on quiz preparation, results in the classes of the AY 2019-2020 slightly exceeded performance in previous classes.

Outcome 4: Students will understand the importance of group dynamics in achieving organizational goals and use the skills needed for effective teamwork. Students will demonstrate an ability to work effectively in teams.

Method 1:

There has been improvement, from 95% to 100% of teamwork quality in the project groups of CIS 5358 (Agile Project Management).

Action Plan

In the AY 2019-2020, MSAIT students showed improvement on two of the four learning outcomes. However, regarding the method 1 of outcome 1 (information technology skills) in CIS 5368 (Information Security) and CIS 5355 (Database Management Systems), the results did not meet the expectation. Compared to 2018-2019, the students in 2019-2020 perform with less success in learning information security and database management. Details of specific action plans for each course used to help students meet the learning outcomes established for the MSAIT program are provided in detail for each course.

Outcome 1

Students will use information technology skills in decision making at a level expected of a master's student for practice in accounting and information technology. Students will learn to use information technology (IT) and be able to apply IT in analysis.

Outcome 1 - Method 1

CIS 5355 (Database Management Systems) and CIS 5368 (Information Security) will use exam-embedded questions. It is expected that 80% of the students will answer 85% or more questions correctly.

Outcome 1 - Method 1 - Result

Results:

During the 2019 fall semester, students enrolled in the CIS 5355, Database Management Systems, were assessed by the instructor. The results had 67% of the students scoring above an 85%. Also, students enrolled in the CIS 5368, Information Security, were assessed by the instructor. The results had 0% of the students scoring above an 85%.

Action Plan:

For CIS 5355, the instructor will use more diagrams to explain the types of relationship in databases. For CIS 5368, the instructor will focus more on key words and definitions.

Outcome 1 - Method 2

CIS 5355 (Database Management Systems) and CIS 5368 (Information Security) will use a rubric to evaluate a set of out-of-class individual

assignments/projects. It is expected that 80% of students will meet or exceed expectation with respect to their ability to use IT and be able to apply IT in analysis as defined by the rubric.

Outcome 1 - Method 2 - Result

Results:

During the 2019 fall semester, students enrolled in the CIS 5355, Database Management Systems, were assessed by the instructor. The results had 100 % of the students scoring above an 85%. Also, students enrolled in the CIS 5368, Information Security, were assessed by the instructor. The results had 100% of the students scoring above an 85%.

Action Plan:

Since 100% of the students meet expectations, current presentations and evaluation of the related course content will continue.

Outcome 2

Students will apply analytical and critical thinking skills to evaluate information, solve problems, and make sound decisions in accounting and information technology problems. Students will synthesize and evaluate the relevance of data and demonstrate analytical and critical thinking skills in exploring new questions, analyzing complex issues from multiple perspectives and arrive at reasoned conclusions.

Outcome 2 - Method 1

CIS 5355 (Database Management Systems) will use a rubric to evaluate a set of out-of-class individual assignments/projects. It is expected that 80% of students will meet or exceed expectations relating to a student's ability to apply accounting and information technology knowledge in new and unfamiliar circumstances as defined by the rubric.

Outcome 2 - Method 1 - Result

Results:

The Ability to develop relational database and write SQL queries for given scenarios was tested through assignments. The results had 100 % of the students meeting or exceeding the expectations.

Action Plan:

The approach to practice SQL queries in classes worked well. Thus, this approach will be used in future semesters.

Outcome 2 - Method 2

In ACC 5375 (Business Consulting), projects will be used to assess students' ability to apply accounting and IT knowledge. The projects will be assessed using a rubric. It is expected that 80% of students will meet or exceed expectations as defined by the rubric.

Outcome 2 - Method 2 - Result

Results:

During the 2019-2020 fall and spring semesters, students enrolled in the ACC 5375, Business Consulting, were assessed by the instructor. The ability to understand consulting concepts was tested through a series of four in-class quizzes covering consulting concepts. The results had 87 % of the students meeting or exceeding the expectations.

Action Plan:

Rigor will remain the same. Greater emphasis will be placed on quiz preparation.

Outcome 3

Students will conceptualize a complex issue into a coherent written or oral statement. To fulfill the written portion of the outcome, the student will develop well-written reports, memos, and projects that explain findings, organize ideas into a coherent train of thought, and justify a conclusion or recommendation. Students will make effective oral presentations that explain findings, organize ideas into a coherent train of thought, and justify a conclusion or recommendation

Outcome 3 - Method 1

CIS 5368 (Information Security) will use out-of-class individual assignments/projects. The instructor will use a rubric to evaluate the set of out-of-class assignments. It is expected that 80% of the students will meet or exceed expectations established for written and oral communication skills as defined by the rubric.

Outcome 3 - Method 1 - Result

Results:

During the fall semester of 2019, students enrolled in the CIS 5368, Information Security, were assessed by the instructor. Students were assigned a project to present and PowerPoint slides were assessed. Students were provided a sample PowerPoint presentation used as guidelines for making their presentations. The results had 100% of the students meeting or exceeding the expectations.

Action Plan:

The course instructor will continue providing examples of PowerPoint presentations and discussing ways of effective communications.

Outcome 3 - Method 2

Oral communication skills will be assessed through student presentations in ACC 5375 (Business Consulting). A rubric will be used for the assessment. It is expected that 80% of students will meet or exceed expectations as defined by the rubric.

Outcome 3 - Method 2 - Result

Results:

During the 2019-2020 fall and spring semesters, consulting skills were assessed on style, flow, and analytical content based on a project's proposal and final report. The results had 100 % of the students meeting or exceeding the expectations. Student writing is consistent with skills of a Sr. Consultant in a Big 4 firm. Writing in this class was essentially the same as performance in previous classes.

Action Plan:

Since 100% of the students meet expectations, current presentations and evaluation of the related course content will continue.

Outcome 4

Students will understand the importance of group dynamics in achieving organizational goals and use the skills needed for effective teamwork. Students will demonstrate an ability to work effectively in teams.

Outcome 4 - Method 1

In CIS 5358 (Agile Project Management), students will be assigned to teams to work on a project or projects. Various aspects of effective, quality teamwork will be assessed based on a rubric. It is expected that 80% of students will meet or exceed expectations as defined by the rubric.

Outcome 4 - Method 1 - Result

Results:

Various group project deliverables have been assigned throughout the semester as part of the class project. Quality of teamwork has been assessed using the submitted deliverables. The results had 100% of the students meeting or exceeding the expectations.

Action Plan:

It was very good on Zoom except for not being able to interact with students and do exercises. It will be helpful to get classrooms with rounds not theater.

Outcome 4 - Method 2

CIS 5355 (Data Management Systems) will use an out-of-class group projects to assess this skill, using a rubric. It is expected that 80% of students will meet or exceed expectations as defined by the rubric.

Outcome 4 - Method 2 - Result

Results:

A small group project requiring students to design a database according to business requirements was used for the assessment. The results had 100% of the students meeting or exceeding the expectations.

Action Plan:

The approach using a database design project worked well. Thus, this approach will be used in future semesters.

Outcome 5

Goal: 1. Promote the success of all students.

Initiative: 1.3 Increase student retention and graduation rates.

The academic program will promote and realize gains in student success.

Outcome 5 - Method 1

Student retention success will be measured by observing one year retention rates of students enrolled in the academic program from their first to second year. Data will be obtained from the university's certified enrollment records at the end of the fall semester. Rates of retention success will be expected to be at or above the university average for this level of program.

Outcome 5 - Method 1 - Result

The number of entering students enrolled in the academic program who returned the second year provided the data to assess retention. In this program, 4 of the 5 entering students in 2018-2019 returned for their second year in fall of 2019 for a one-year retention rate of 80.0%.

Outcome 5 - Method 2

Student graduation success will be measured by observing the number of graduates from the academic program in during the fall, spring, and summer semesters and comparing the number of graduates to the number of students enrolled in the program. Data will be obtained from the

university's certified enrollment records for the fall, spring, and summer semesters. The number of graduates is expected to be at or above the university rate of graduation for this level of program.

Outcome 5 - Method 2 - Result

The number of students graduating from the degree program during the 2019-2020 fall, spring, and summer semesters along with the total number of students enrolled in the program provided the data to assess student graduation success. In this program, 6 of the 12 students enrolled in the program graduated in the fall, spring, and summer semesters for a graduation percentage of 50.

Outcome 6

- Goal:** 4. Provide the necessary services, resources, and infrastructure to support the university's strategic direction.
Initiative: 4.11 Provide programs and services that support and enhance the health and wellness of the university community.

The academic program will promote and realize diversity among its student population.

Outcome 6 - Method 1

Student gender diversity will be measured by reviewing the number and percentage of male and female students enrolled in the academic program during the fall, spring, and summer semesters. Data will be obtained from the university's certified enrollment records at the end of the fall semester. Student gender diversity will be expected to be balanced (50/50).

Outcome 6 - Method 1 - Result

In this program, 7 of the 12 students or 58.3% were female while 5 of the students or 41.7% were male. The student population in 2019-2020 appears to represent a balanced gender distribution.

Outcome 6 - Method 2

Student racial and ethnic diversity will be measured by observing race and ethnicity of students enrolled in the academic program during the fall, spring, and summer semesters. Data will be obtained from the university's certified enrollment records at the end of the fall semester. Student racial and ethnic diversity will be expected to mirror percentages in the population of the state of Texas.

Outcome 6 - Method 2 - Result

The number students of various ethnic backgrounds enrolled in the academic program during the 2019-2020 fall semester provided the data to assess ethnic and racial diversity. In this program, 1 of the 12 students or 8.3% (compared to 5.6% in 2018-2019) were African-American; 1 of the 12 students or 8.3% (compared to 5.6% in 2018-2019) were Hawaiian/Pacific Islander; 2 of the 12 students or 16.7% (compared to 11.1% in 2018-2019) were Asian; 5 of the 12 students or 41.7% (compared to 38.9% in 2018-2019) were Hispanic; 1 of the 12 students or 8.3% (compared to 27.7% in 2018-2019) were White, non-Hispanic; 1 of the 12 students or 8.3% (compared to 0% in 2018-2019) were of other minority or unknown backgrounds; 1 of the 12 students or 8.3% (compared to 11.1% in 2018-2019) were of nonresident International students. The student population in 2019-2020 appears to represent a diverse background.

Approval History

Approval History Event

- Outcomes Approved Level 1
- Outcomes Approved Level 2
- Outcomes Audit Report Submitted
- Results Approved Level 1
- Results Approved Level 2
- Results Audit Report Submitted

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