

Texas State University Outcomes Report

General Information

Academic Year:	2020-2021
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:	Result Approvals In Progress

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) 2020-2021, MSAIT students were assessed on their ability of critical thinking, information technology, communication, and teamwork. The outcome summary for 2019-2021 is shown below.

	2019-2020	2020-2021
Outcome 1		
Method 1: CIS 5355	67	84
CIS 5368	0	100
Method 2: CIS 5355	100	97
CIS 5368	100	100
Outcome 2		
Method 1: CIS 5355	100	88
Method 2: ACC 5375	87	82
Outcome 3		
Method 1: CIS 5368	100	100
Method 2: ACC 5375	100	100
Outcome 4		
Method 1: CIS 5358	100	100
Method 2: ACC 5355	100	100

By comparing the results between AY 2019-2020 and AY 2020-2021, the assessment indicates improvement in the following area:

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.

Method 1:

For CIS 5368 (Information Security), there has been improvement. In the AY 2019-2020, the instructor suggested to focus on key words and definitions. The results in the class of the AY 2020-2021 exceeded performance in the previous class and met the expectation. For CIS 5355 (Database Management Systems), there has also been improvement. In the AY 2019-2020, the instructor suggested to place emphasis on explaining the types of relationship in databases. The results in the class of the AY 2020-2021 exceeded performance in the previous class and met the expectation.

Action Plan

In the AY 2020-2021, MSAIT students showed improvement on one of the four learning outcomes. However, the results of the outcome 2 were slightly dropped. Compared to 2019-2020, the students in 2020-2021 perform with less success in applying analytical and critical thinking skills. Details of specific action plans used to help students meet the learning outcomes 2 are provided as follows: (a) for CIS 5355 (Database Management Systems), the instructor will demonstrate more examples of writing SQL queries in the class and discuss more practice questions; and (b) for ACC 5375 (Business Consulting), rigor will remain the same and greater emphasis will be placed on quiz preparation. Results of the learning outcome 4 have consistently met the expectation. To enhance the curriculum, the instructor of CIS 5355 (Database Management Systems) will explain and give more examples on how to select a database related topic for the term-project.

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

During the 2020 fall semester, students enrolled in the CIS 5355, Database Management Systems, were assessed by the instructor. The results had 84% of the students scoring above an 85%. Also, during the 2021 spring semester students enrolled in the CIS 5368, Information Security, were assessed by the instructor. The results had 100% of the students scoring above an 85%.

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

During the 2020 fall semester, students enrolled in the CIS 5355, Database Management Systems, were assessed by the instructor. The results had 97 % 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%.

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

The Ability to develop relational database and write SQL queries for given scenarios was tested through assignments. The results had 88% of the students meeting or exceeding the expectations.

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

During the 2020 fall semester, 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 82 % of the students meeting or exceeding the expectations.

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

During the spring semester of 2021, 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.

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

During the 2020 fall semester, 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.

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

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.

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

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.

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, 3 of the 3 entering students in 2019-2020 returned for their second year in fall of 2020 for a one-year retention rate of 100.0%.

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 2020-2021 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 10 students enrolled in the program graduated in the fall, spring, and summer semesters for a graduation percentage of 60.

Outcome 6

- Goal:** 4. Provide the necessary services, resources, and infrastructure to support the university's strategic direction.
Initiative: 4.9 Provide a diverse and inclusive environment of support to achieve the highest level of performance for all member of the campus 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, 5 of the 9 students or 56% were female while 4 of the students or 44% were male. The student population in 2020-2021 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 2020-2021 fall semester provided the data to assess ethnic and racial diversity. In this program, 2 of the 9 students or 22.2% (compared to 8.3% in 2019-2020) were African-American; 2 of the 9 students or 22.2% (compared to 16.7% in 2019-2020) were Asian; 3 of the 9 students or 33.3% (compared to 41.7% in 2019-2020) were Hispanic; 2 of the 9 students or 22.2% (compared to 8.3% in 2019-2020) were of nonresident International students.

Approval History**Approval History Event**

Outcomes Approved Level 1

Outcomes Approved Level 2

Outcomes Audit Report Submitted

Results Approved Level 1

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