

Texas A&M International University
Annual Institutional Effectiveness Review (AIER)
(Transition Period)

Date Submitted January 9, 2006

Assessment Period Covered (FY 2005)

Budget Period Covered (FY 2005)

Academic Program/AES Unit MS - IS

Person Preparing Review Dr. Ned Kock

Provide summary of the last cycle's use of results and changes implemented.

Two new faculty with expertise in the areas of databases and networking have been hired, starting Fall 2004. Unfortunately, the faculty member with expertise in databases left the university half-way through the Fall 2004 semester. The networking instructor has changed the networking assignments for Spring 2005.

Provide summary of budget decisions and their impact on your program/division.

Hiring a replacement faculty member with database expertise.

Section I: Planning and Implementation

Institutional Mission

Texas A&M International University, a Member of The Texas A&M University System, prepares students for leadership roles in their chosen profession in an increasingly complex, culturally diverse state, national, and global society ... Through instruction, faculty and student research, and public service, Texas A&M International University embodies a strategic point of delivery for well-defined programs and services that improve the quality of life for citizens of the border region, the State of Texas, and national and international communities.

Academic Program/Administrative/Educational Support Unit Mission

The mission of the Department of MIS & Decision Science is to prepare students for professional and management positions in the fields of management information systems and decision science.

Identify outcomes and relationship to Strategic Plan

Outcome 1

Graduates will have advanced knowledge and skills necessary to integrate and manage systems.

Identify Strategic Plan Goal related to Outcome 1

Goal 2 Academic

Identify Strategic Plan Objective and Strategy related to Outcome 1 (Appendix A – Strategic Goals)

Objective II.2.0, Strategy II.2.9: Continue to provide programs and services that assist potential, current, and former students to identify, explore, and select career programs and employment opportunities.

Methods of assessment

An objective test developed by members of the Department is administered to all the students attending a required program capstone course. The test measures, among other aspects, the students' advanced knowledge of systems management concepts and methods.

Frequency of administration

Every semester.

Criteria/Benchmark

Students will, on average, correctly answer 70% (or more) of the systems management concepts questions of the test.

Outcome 2

Graduates will have advanced knowledge and skills necessary to integrate and manage networking systems and devices.

Identify Strategic Plan Goal related to Outcome 2

Goal 2 Academic

Identify Strategic Plan Objective and Strategy related to Outcome 2 (Appendix A – Strategic Goals)

Objective II.2.0, Strategy II.2.9: Continue to provide programs and services that assist potential, current, and former students to identify, explore, and select career programs and employment opportunities.

Methods of assessment

An objective test developed by members of the Department is administered to all the students attending a required program capstone course. The test measures, among other aspects, the students' advanced knowledge of networking concepts and methods.

Frequency of administration

Every semester.

Criteria/Benchmark

Students will, on average, correctly answer 70% (or more) of the networking concepts and methods questions of the test.

Outcome 3

Graduates will have advanced knowledge and skills necessary to integrate and manage database systems.

Identify Strategic Plan Goal related to Outcome 3

Goal 2 Academic

Identify Strategic Plan Objective and Strategy related to Outcome 3 (Appendix A – Strategic Goals)

Objective II.2.0, Strategy II.2.9: Continue to provide programs and services that assist potential, current, and former students to identify, explore, and select career programs and employment opportunities.

Methods of assessment

An objective test developed by members of the Department is administered to all the students attending a required program capstone course. The test measures, among other aspects, the students' advanced knowledge of database concepts and methods.

Frequency of administration

Every semester.

Criteria/Benchmark

Students will, on average, correctly answer 70% (or more) of the database concepts and methods questions of the test.

Section II: Analysis of Results

When (term/date) was assessment conducted?

Outcome 1

The assessment was conducted in April 2005.

Outcome 2

The assessment was conducted in April 2005.

Outcome 3

The assessment was conducted in April 2005.

What were the results attained (raw data)?

Outcome 1

On average, students correctly answered 60.57% of the of the systems management concepts and methods questions of the test.

Outcome 2

On average, students correctly answered 35.00% of the of the networking concepts and methods questions of the test.

Outcome 3

On average, students correctly answered 67.50% of the of the database concepts and methods questions of the test.

Who (specify names) conducted analysis of data?

Outcome 1

Drs. Jacques Verville, Haibo Wang and Ibrahim Mescioglu.

Outcome 2

Drs. Jacques Verville, Haibo Wang and Ibrahim Mescioglu.

Outcome 3

Drs. Jacques Verville, Haibo Wang and Ibrahim Mescioglu.

When were the results and analysis shared? With whom (department chair, supervisor, staff, external stakeholders)? Minutes with data analysis submitted to assessment@tamiu.edu? (Please use Minutes Template located on the Project INTEGRATE web page.)

The data analysis results were initially shared and discussed with three members of the MIS-DS Dept. Curriculum Committee and with the Dept. Chair. The results were subsequently shared and discussed with the whole MIS-DS Dept.

Has the assessment documentation (i.e., surveys, rubrics, course exams with embedded questions, etc.) been submitted to the Office of Institutional Effectiveness and Planning?

The test has not been submitted, nor was its key, because its publication would make it useless (since some students would arguably have access to it from the SACS accreditation Web site). The test is available from the Dept. Chair, and will be provided on a strictly confidential basis.

Use of Results: Indicate what changes, if any, based on the data have been recommended?

Outcome 1

Several course assignments have been changed by two instructors responsible for courses addressing general systems concepts.

Outcome 2

The Dept. recruited a new faculty member with expertise in the area of databases.

Outcome 3

Several course assignments have been changed by the networking instructor.

Section III: Programmatic Review

What are the implications of the recommended changes?

Hiring of new faculty, as well as mentoring of those faculty so that they can meet the goals of the MIS and Decision Science Dept.

Will resources be affected by the recommended changes? Yes No

If so, specify the anticipated effect(s) using the chart below:

Funding	Physical	Other
<input checked="" type="checkbox"/> New resources required	<input type="checkbox"/> New or reallocated space	<input type="checkbox"/> Primarily faculty/staff time
<input type="checkbox"/> Reallocation of current funds		<input type="checkbox"/> University rule/procedure change only
		<input type="checkbox"/> Other: Enter text here

Narrative description and justification for request including related strategy (Attach Budget Request 'Form B' and/or 'Form C')

Replacement instructor is needed due to the unexpected departure in mid-semester of the instructor with database expertise.

If funding, physical or other resources were requested, what is the impact of the budget decisions on program/division?

N/A.

In the box below, provide information on the outcomes for the next assessment cycle:

Outcomes for Next Assessment Cycle
Continuation of present outcome(s) - (Indicate reason for continuation):
<p>New Outcome(s) – (List outcomes below):</p> <p>Three new outcomes will be added. One of the new outcomes will be a learning outcome, and will refer to an important area for job placement, namely the graduating seniors' knowledge and skills in connection with advanced computer programming. The second new outcome will refer to job placement; more specifically, to the percentage of students employed in an area related to their major. The third new outcome will refer to writing skills, so that the program assessment can be integrated with the QEP.</p>
Modification of present outcome(s) – (Indicate reason for modification):