

ASSESSMENT REPORT FOR

Master of Science in Information Systems (MS-IS)
Instructional Degree Program

Spring 2003
Assessment Period Covered

July 15, 2003
Date Submitted

Expanded Statement of Institutional Purpose Linkage:

Institutional Mission Reference:

Texas A&M International University, a Member of The Texas A&M University System, is committed to the preparation of students for leadership roles in their chosen profession and in increasingly complex, culturally diverse state, national, and global society ... Through instruction, faculty and student research, and public service, Texas A&M International University is 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.

College/University Goal(s) Supported:

The primary objectives of the College of Business Administration are directed toward the parameters of education for the administration of business organizations. To this end, curriculum development is a continuous activity in response to social, economic and technological developments reflected in the evolving knowledge in the behavioral and quantitative sciences.

Intended Educational (Student) Outcomes:

- 1.** Students completing the Master of Science in Information Systems will have a basic understanding of system concepts.
- 2.** Graduates will demonstrate competency in communication skills.
- 3.** Students completing the masters program in information systems will demonstrate mastery of basic business concepts.

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Intended Educational (Student) Outcome:

NOTE: There should be one form for each intended outcome listed. The intended outcome should be restated in the box immediately below and the intended outcome number entered in the blank spaces.

1. Students completing the Master of Science in Information Systems will have a basic understanding of system concepts.

First Means of Assessment for Outcome Identified Above:

1a. Means of Program Assessment & Criteria for Success:

An objective test developed by members of the department will be given to all the students attending a required graduate course measuring the student's knowledge of the following:

- a. General system concepts
- b. Network concepts
- c. Systems management concepts
- d. Database concepts
- e. Computer programming

Success is deemed to be a 70% attainment in each area (average of all student scores for the topic) with no area being below 50% attainment.

1a. Summary of Assessment Data Collected:

The results of the test follow:

a. General system concepts	67.41%
b. Network concepts	45.19%
c. System management concepts	59.54%
d. Database concepts	61.73%
e. Computer programming	76.77%

The overall average was 62.30% (841 correct responses out of a possible 1,350).

1a. Use of Results to Improve Instructional Program:

This information will be distributed to the departmental faculty for curriculum discussions during the Fall 2003 semester.

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2. Graduates will demonstrate competency in communication skills.

First Means of Assessment for Outcome Identified Above:

2a. Means of Program Assessment & Criteria for Success:

Seventy-five percent (75%) of students will have a score of 70% or higher for communication skills on a MIS committee designed and MIS committee graded graduate project to be given during the student's final semester.

2a. Summary of Assessment Data Collected:

100% of the students in the CIS 5390 Project Design and Management scored 70% or higher on the publicly presented projects. In the Spring 2003 semester, twenty-two projects were presented in an open forum for evaluation by MIS/DS faculty. Scores ranged from 82 to 96; the mean was 86.2%.

2a. Use of Results to Improve Instructional Program:

This information will be distributed to the departmental faculty for curriculum discussions during the Fall 2003 semester. It is anticipated that the method of measuring performance will be changed next semester.

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Intended Educational (Student) Outcome:

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3. Students completing the masters program in information systems will demonstrate mastery of basic business concepts.

First Means of Assessment for Outcome Identified Above:

3a. Means of Program Assessment & Criteria for Success:

The graduate business test produced and graded by the Educational Testing Service will be used to determine mastery of the common business concepts. The test will be administered as part of a graduate class. The assessment indicators used will be marketing, management, finance, managerial accounting, and strategic integration. Success will be 70% attainment overall (average of all student scores for the topic) with no area being below 50% attainment.

3a. Summary of Assessment Data Collected:

The test was administered to seven students with six usable responses that produced the following results:

Marketing	31.0%
Management	35.5%
Finance	32.3%
Managerial Accounting	38.2%
Strategic Integration	28.8%

The mean scale score was 235.6 out of a possible 300 producing an attainment of 78.5%. The scores are reported on two different scales and the interpretation of the results may be revised.

3a. Use of Results to Improve Instructional Program:

1. The success criteria should be a demonstration of a functional product (i.e., a software program that works); currently available additional measures beyond functionality do not serve to measure this criterion.

2. A content metric will be designed by the instructional faculty for this course, and it will be reviewed by the Department; the metric will then be used in conjunction with — and as a 2nd measurement of —students’ communication skills, beginning as early as Fall 2003, but not later than Spring 2004.

SUPPORT DOCUMENTATION

SOURCE	LOCATION/Special Instructions
Objective Test	
Graduate Project	
Graduate Business Test (by ETS)	