

## Assessment Plan: Management Information Systems (MIS) – COB

### Mission

The MMMIS at college of business is to provide an academic environment in which students can develop business skills supported by a liberal arts and science background as they mature future professionals. The Management Information Systems (MIS) program is dedicated to preparing successful graduates for professional business careers emphasizing the application of information technology to business processes and to engaging in service and research, which serve the information technology needs of the society.

### Student Learning Outcomes

When a student graduates from the Management Information Systems program, he or she will:

1. Critically evaluate IT issues.
2. Organize thoughts to effectively communicate in a business environment.
3. Integrate technology to provide solutions to business problems
4. Evaluate entrepreneurial opportunities.
5. Integrate IT in a global business environment.
6. Assess organizational diversity in a business environment.
7. Determine ethical issues and select appropriate actions.

### Mapping program objectives, student learning outcomes and MIS Courses

Student Learning Outcome #1: Critically evaluate IT issues.

Program Objectives	Coursework
1. Students will learn how to be problem solvers and critical thinkers.	INSY 1360 Intro to Comp Info Sys INSY3200 Business Problem Solving INSY 4300 Sys Analysis & Design INSY 2840 Object-Orient Programming INSY 4250 Mobile Apps Dev INSY 3280 Database Technologies QBA 3500 Quantitative Business Applications
2. Students will demonstrate the ability to access and interpret information, respond and adapt to changing situations, make complex decisions, solve problems, and evaluate actions.	INSY3200 Business Problem Solving INSY 4300 Sys Analysis & Design INSY 3270 MGMT Info Systems INSY 3280 Database Technologies

Student Learning Outcome #2: Organize thoughts to effectively communicate in a business environment

Program Objectives	Coursework
3. Students will demonstrate the ability to communicate clearly and effectively.	INSY 4300 Sys Analysis & Design MGTM 1020 Career Fluency
4. Students will demonstrate effective teamwork by collaborating in group settings to solve selected business problems.	INSY 4300 Sys Analysis & Design INSY 2840 Object-Orient Programming MGTM 1020 Career Fluency
5. Students will demonstrate the interpersonal skills required when developing organizational	MGTM 1020 Career Fluency INSY 4300 Sys Analysis & Design

information systems.	
6. Summarize the results of the analysis of an issue in a clear set of conclusions.	INSY 4300 Sys Analysis & Design MGTM 1020 Career Fluency

Student Learning Outcome #3: Integrate technology to provide solutions to business problems

<b>Program Objectives</b>	<b>Coursework</b>
7. Use computer software tools to organize data for analysis to solve business problems.	INSY 1370 Microcomputer Apps in Bus INSY 3200 Business Problem Solving QBA 3500 Quantitative Business Applications INSY 3270 MGMT info systems INSY 3280 Database Technologies
8. Utilize standard technologies to provide solutions to business problems	INSY 1360 intro to comp info sys INSY 3200 Business Problem Solving INSY 1370 Microcomputer Apps in Bus INSY 4300 Sys Analysis & Design QBA 3500 Quantitative Business Applications INSY 2840 Object-Orient Programming INSY 4250 Mobile Apps Dev INSY 4450 Data Com and Computer NET INSY4250 Mobile Apps Dev INSY 3270 MGMT Info Systems INSY 3280 Database Technologies INSY 3250 Business Website Dev
9. Students will be able to use a variety of technology applications to improve the effectiveness of personal understanding, scholarly pursuits and professional performance.	INSY 1370 Microcomputer Apps in Bus INSY 3200 Business Problem Solving QBA 3500 Quantitative Business Applications INSY 3270 MGMT Info Systems INSY 3280 Database Technologies INSY 2900 E-Commerce INSY 4300 Sys Analysis & Design
10. Students will apply systems theory and information concepts in the analysis of organizational problems and opportunities	INSY 2900 E-Commerce INSY 4300 Sys Analysis & Design INSY 3270 MGMT info systems
11. Students will demonstrate the ability to apply project and risk management principles and techniques to information systems projects	INSY 4300 Sys Analysis & Design
12. Students will be fluent in techniques for acquiring, converting, transmitting, and storing data and information.	INSY3200 Business Problem Solving INSY 2900 E-Commerce INSY 3280 Database Technologies
13. Students will demonstrate the ability to develop a computer program using a contemporary programming language, programming algorithms and data structures.	INSY 2840 Object-Orient Programming INSY 3250 Business Website Dev INSY 4250 Mobile Apps Dev INSY 4470 INSY4250 Mobile Apps Dev
14. Students will demonstrate the ability to properly use and implement a database using a contemporary database management system.	INSY 3280 Database Technologies INSY 4300 Sys Analysis & Design
15. Students will understand the architectural concepts of computer networks and enterprise information systems	INSY 4450 Data Com and Computer NET

Student Learning Outcome #4: Evaluate entrepreneurial opportunities

<b>Program Objectives</b>	<b>Coursework</b>
16. Be creative and come up with unique ideas for implementation and know how to implement it	MGTM 1045 Intro to Entrepreneurship INSY 2900 E-Commerce INSY 4300 Sys Analysis & Design
17. Apply MIS techniques to a firm in the earlier stages of the life cycle.	MGTM 1045 Intro to Entrepreneurship INSY 4300 Sys Analysis & Design

Student Learning Outcome #5: Integrate IT in a global business environment

<b>Program Objectives</b>	<b>Course</b>
18. Demonstrate an awareness of the economic, social and cultural environments within which international businesses operate.	INSY 1360 Intro to Comp Info Sys INSY 2900 E-Commerce INSY 3270 MGMT info systems INSY 3250 Business Website Dev INSY 4250 Mobile Apps Dev
19. Demonstrate awareness of the political and technological environments within which international businesses operate	INSY 2900 E-Commerce INSY 3270 MGMT Info Systems
20. Demonstrate awareness of how contemporary international events influence global business	INSY 2900 E-Commerce INSY 3270 MGMT Info Systems

Student Learning Outcome #6: Assess organizational diversity in a business environment

<b>Program Objectives</b>	<b>Coursework</b>
21. Students will be able to appreciate a diversity of views, a diversity of people, and a diversity of cultures.	INSY 3270 MGMT Info Systems INSY 2900 E-Commerce
22. Students will promote social justice at the individual, organizational, and societal level to create an appropriate environment for diverse individuals.	INSY 3270 MGMT info systems INSY 2900 E-Commerce

Student Learning Outcome #7: Determine ethical issues and select appropriate actions

<b>Program Objectives</b>	<b>Coursework</b>
23. Demonstrate understanding of major ethical concerns	INSY 1360 Intro to Comp Info Sys INSY 4480 Ethics in IT INSY 3270 MGMT Info Systems
24. Students will explain the impact of leadership and ethical behavior on the systems development process.	INSY 4480 Ethics in IT INSY 3270 MGMT Info Systems

**Curriculum Map: Student Learning Outcomes Mapped to Management Information Systems Program (MIS) / COB**

	INSY 1360	INSY 1370	MGTM 1020	MGMT 1045	QBA 2000/QBA3500	INSY 3200	INSY 2840	INSY 2900*	INSY 3250	INSY 3280	INSY 3270*	INSY 4300	INSY 4250	INSY 4450	INSY 4470	INSY 4480	Capstone: MGMT 4890
[1] Critically evaluate IT issues	K				K	K	A			A	S	S	S				S
[2] Organize their thoughts to effectively communicate in a business environment			K		K		A					S					S
[3] Integrate technology to provide solutions to business problems	K	K			K	K	K, A	K, A	A	A	S	S	S	S	S		S
[4] Evaluate entrepreneurial opportunities				K	K			A				A					S
[5] Integrate IT in a global business environment	K						K	K			A		S				S
[6] Assess organizational diversity in a business environment							K				A						S
[7] Determine ethical issues and select appropriate actions	K										A					S	S

\* Writing-Emphasis Course

**Assessment Instruments**

<b>Student Learning Outcomes</b>	<b>Program Objectives</b>	<b>Assessments Instruments</b>	<b>Criteria *</b>
1, 3, 5, 6, 7	2, 8, 9, 10, 18, 19, 20, 21, 22, 23, 24	Direct Assessment (Pre-Test & Post-Test) INSY 3270 MGMT INFO SYSTEMS	75 % of students their knowledge and understanding of the tested concepts increased by 60% or better  students knowledge in each learning outcome increased by 50% or better
1, 2, 3, 4	1, 2, 3, 4, 5, 6, 8, 9, 10, 11, 14, 16, 17	Direct Assessment (Project) INSY 4300 SYS ANALYSIS & DESIGN	75% of students receiving a minimum of 80% or better Class average in each learning outcome 70% or better
1 – 7	1 – 24	Indirect Assessment Senior Exit Questionnaire (Questionnaire)	students satisfaction in each learning outcome is 70% or better  students satisfaction in overall courses offered in the College of Business is 80% or better  students satisfaction in overall courses offered in the MIS concentration is 85% or better
1 - 7	1 - 24	Indirect Assessment  Capstone Course: MGMT4890 ETS-Major Field Test	Test Average in Information Systems area is greater than 60%

\* Definitions and Explanations

**Senior Exit Interview (Questionnaire):** All MIS students in the last semester in their program and when they fill out the complete of study form they are asked to answer and complete a survey. The purpose of this exit interview tool is to determine how well students understand our expectations of what

they should know upon completion of their degree requirements. It covers different areas such as demographic information, rating general education skills, rating CSU and major, college activities in addition to rating the core course in Management, Marketing, QBA, Accounting, Finance, and Management Information Systems.

### **ETS Major Field Test:**

The ETS Major Field Test is a comprehensive undergraduate and MBA outcomes assessments designed to measure the critical knowledge and understanding obtained by students in a major field of study. The Major Field Tests go beyond the measurement of factual knowledge by helping you evaluate students' ability to analyze and solve problems, understand relationships and interpret material from their major field of study.

ETS offers comprehensive national comparative data for the Major Field Tests, enabling you to evaluate your students' performance and compare your program's effectiveness to programs at similar institutions nationwide.

Offered in more than a dozen undergraduate fields of study, including the Associate Degree in Business and the Master's degree in Business Administration (MBA), the Major Field Tests help you:

- prepare students to succeed by using test results to improve curricula
- demonstrate the strengths of your program to prospective students and faculty
- compete for performance funding
- help ensure your students have mastered their field of study
- use your time to focus on other aspects of accreditation

### **INSY 3270 –MGMT Info System:**

This course addresses the need for managers to understand and manage the technology necessary for competitive advantage in an increasingly dynamic business environment. Topics include the identification technological competencies, the evaluation of technology, the design and management of systems technological innovation and the integration of technology into the organization. Case studies will

emphasize analysis of current business issues using technology such as spreadsheets and presentation graphics

Students in this instrument are evaluated based on a pre-test and post-test which are designed for the purpose of the assessment. Each learning outcome will be tested by one question, the pre-test contains 15 questions used in the beginning of the semester to expose student's knowledge in each area of the student learning outcomes and a post-test contains the same questions used toward the end of the semester.

**INSY 4300 – System Analysis and Design:**

Is a comprehensive study of the analysis, design, and implementation stages of the System Development Life Cycle (SDLC). The emphasis is on planning tools, information gathering techniques, data flow diagrams, E-R diagrams, project management tools: GANTT and PERT charts, and data dictionaries. Object-Oriented Analysis and Design (UML) will be covered also. Student will participate in group to plan and design a total computer system

Students in this instrument are evaluated based on a comprehensive group project. The purpose of the group project is to give students an opportunity to apply the concepts covered in class to real life situations.

Project description:

- The project consists of 2-3 students.
- Each group identifies a systems analysis and design project.
- The project has four components: System Planning, System Requirements Modeling, System Data & Process Modeling, and System Design.
- Each group gives a written and an oral report on each component. The reports are listed below:
  - ❖ A Preliminary Report: System Planning and System Requirements Modeling
  - ❖ An Intermediate Report: System Planning, System Requirements Modeling, and System Data & Process Modeling

- ❖ A Final Report: System Planning, Requirements Modeling, Data & Process Modeling and Design

The project/students are evaluated as follows:

<b>Project part</b>	<b>Student Learning Outcome</b>
Team work [10%]	2
Oral presentations [10%]	2
Writing reports [10%]	2
Creative ideas and work (come up with a unique idea for the project to implement and the way it is implemented) [10%]	4
System Planning [20%]	2, 3
System Analysis [20%]	1, 3
System Design [20%]	1, 3