Dillard College of Business Administration

SYLLABUS: Management Information Systems
MIS 4163 Section 270
Spring Semester 2022
Contact Information
Instructor: Dr. Jiaxi Luo, Assistant Professor of Management Information Systems
Office: DB 216
Office hours: Mondays & Wednesdays 10:30-11:00a, 4:00-5:00p
              Tuesday 10:00a – 12:00p, or Contact me by email
              Please use zoom to join at the following link:
              https://msutexas-edu.zoom.us/j/95949586119?pwd=UFpSYU81S3hrZkd3OExrK1FMd1NHUT09

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Course Materials:
- *System Analysis and Design in a Changing World, 7th Edition*, ISBN-13: 978-1-305-11720-4, by John Satzinger, Robert Jackson, and Dr. Stephen Burd.
- Books Recommended for Extra Reading
  "Scaling Lean & Agile Development: Thinking and Organizational Tools for Large-Scale Scrum," Craig Larman and Bas Vodde, Pearson Education Inc, 2009.
  "Practices for Scaling Lean & Agile Development: large, Multisite and Offshore Product
  Development with Large-Scale Scrum," Craig Larman and Bas Vodde, Pearson Education Inc, 2010.
  "Agile Software Development with Scrum," Ken Schwaber and Mike Beedle, Prentice Hall, 2002.
  "UML Distilled: A Brief Guide to the Standard Object Modeling Language (3rd Edition)," Martin Fowler, 2008.
  UML Documentation & White Papers: http://www-01.ibm.com/software/rational/uml/

Course Zoom Link:
https://msutexas-edu.zoom.us/j/91658384461?pwd=am5WMFVqbmlKQzdLazV5eTYyQk5kZz09

Course Description:
The major goal of this course is to learn the basics of systems analysis and design. Modern businesses need information systems to support their business processes. Whether one options for custom application development, or off-the-shelf information systems, it is important to understand the needs of a business to deliver a solution tailored to its requirements. The specification of a business' information needs is a non-trivial and complex task and is hardly an exact science. Fortunately, several tools exist that can guide the modern systems analyst in this job. This course introduces the systems analysis and design process, and the various tools that have been traditionally used to come up with the specification of the information needs of a business (or a business division) that drives the development of the information system(s). To reinforce the concepts, the students will form small teams and analyze and design a business information system of their choice. Details regarding the course contents, critical deadlines, etc. can be found in the following sections.

Course Prerequisite(s):
MIS 3003 or equivalent

Learning Goals

I. **General Learning Goals:**
- o Our students will be effective at problem solving and decision-making.
  Objective: Our graduates will demonstrate problem solving and decision-making abilities through the critical analysis, evaluation, and interpretation of business information.
- o Our students will be effective communicators.
  Objective: Our graduates will be able to demonstrate a competency in speaking and writing for common business scenarios.
  2a: Our graduates will be able to demonstrate a competency in speaking for common business scenarios.
  2b: Our graduates will be able to demonstrate a competency in writing for common business scenarios.
- o Our students will be technologically prepared.
  Objective: Our graduates will be able to utilize available technology for business applications.
- o Our students will be ethical decision makers.
  Objective: Our graduates will demonstrate ethical reasoning skills within a business environment.
- o Our students will be effective team members.
  Objective: Our graduates will know how to use team building and collaboration to achieve group objectives.
- o Our students will be multicultural and globally aware.
  Objective: Our graduates will have an understanding of the influence of global and multicultural issues on business activities.

These general learning goals are among those established by the Dillard College of Business Administration. General learning goals represent the skills that graduates will carry with them into their careers. While assessing student performance in obtaining these general learning goals, the Dillard College is assessing its programs. The assessments will assist us as we improve our curriculum and curriculum delivery.

II. **Course Specific Learning Goals:** After completing this course, students should be able to:

- o Describe the different phases of the system development life cycle.
- o State expected benefits from systems projects.
- o Explain three ways in which information systems support business requirements.
- o Describe how systems analysts interact with users, management, and other information systems professionals.
- o Develop data flow diagrams and decision tables.
- o Perform a feasibility study.
- o Evaluate systems development alternatives.
- o Solve realistic systems analysis problems.
- o Determine methods for evaluating the effectiveness and efficiency of a system.
- o Work as an effective team member on assigned projects.

Course Policies

Attendance Policy: Regular attendance is expected. Participation in class discussion is graded, so reading the assigned material and completing assignments prior to coming to class is also expected. See the university catalog for the University Class Attendance Policy. Upon a student's **fifth unauthorized absence**, that student can be **dropped** for nonattendance and receive a grade of **WF** for the course. Participation in class discussion is mandatory.

Other Related Policies

Missed Examination Policy: Students with **excused absences** may make up missed examinations, quizzes (announced and unannounced), and in-class activities, but **supporting documents are required**. Arrangements must be made in advance if at all possible. In all cases, the instructor must be contacted no later than the day of the scheduled exam or no make-up will be allowed. At the instructor's discretion, a deduction may be assessed for a late exam.

> Excused absences include active military/police/firefighter assignment, jury duty, university-authorized absences (for example, athlete events or study-abroad programs), and medical emergency for yourself or your immediate family member. For more information about university authorized absences, please refer to Midwestern State University Undergraduate Catalog:
> http://catalog.mwsu.edu/content.php?catoid=7&navoid=228&hl=authorized+&returnto=search#General_Information

Grading and Evaluation:

Student's performance will be assessed using the following elements.

- Exams (3): All exams are close-book close-notes exams. Exams will cover assigned chapters, in-class lectures, videos, and any assigned readings. Students are responsible for all assigned textbook material, even if it is not directly discussed in class.

- Team Project: All students will participate in a team project. Details of the assignment will be provided, and team formation will be accomplished.

- In-class Exercises: Quizzes will generally not be announced in advance. Any points not assigned during the semester will be removed from the total possible for the course when calculating grade percentages.

- Homework: 100 points will be assigned to homework. Homework assignments are due before the beginning of class on the specified due date. There is NO PROVISION for late work on any assignment. All homework assignments are individual homework (not team/group/collaborative homework), unless otherwise specified by the instructor.

Points will be allocated using the following scheme. Grades will be based on the recorded points only. Personal reasons (e.g., need a specific grade to graduate, to keep financial aid, to keep straight A record, etc.) are not considered in the grade calculation.

Element	Points
Exam I	100
Exam II	100
Exam III	100
Team Project	300
In-class Exercises	100
Homework	100
Total Points	800

A	720-800
B	640-719
C	560-639
D	480-559
F	<480

Table 1. Grading Policy

Grading Policies:

My intent is to motivate and educate you toward excellence. Therefore, for each assignment you will see a clear definition of what constitutes excellent work. My written comments back to you usually focus on what was excellent about your work rather than what was wrong. However, I will be quite clear on why a piece was unsatisfactory in the unlikely event that you submit unsatisfactory (C or less) work.

Course Content and Outline: See the attached content outline/schedule.

Academic Integrity:

With regard to academic honesty, students are referred to the "Student Honor Creed" in the graduate catalog. Academic dishonesty (cheating, collusion, and plagiarism) is taken seriously and will be investigated. **Please understand that integrity is very important to me. Cutting and pasting text from the internet without citing the source and setting off the "pasted text" in a form that identifies it appropriately constitutes plagiarism**. My rule of thumb is that if you are using three or more words in a row from a source, it needs to be identified as a direct quote and cited.

Americans with Disabilities Act:

If a student has an established disability as defined by the Americans with Disabilities Act and would like to request accommodation, that student should please contact me as soon as possible. Any student requesting accommodations should first contact Disability Support Services at 940-397-4140 in room 168 Clark Student Center to document and coordinate reasonable accommodations if you have not already done so.

Syllabus Change Policy:

This syllabus is a guide for the course—not a "contract"—and is subject to change. Syllabus changes will be communicated via D2L and/or in class. I'll provide a minimum of 48 hours' notice before the relevant change takes place if possible.

Classroom behavior

o   No food or beverage is allowed in the classroom. This is a college policy.

o   Please come to class on time. Take care of personal business prior to class. I do not expect you to leave and return to class (unless there was an emergency, and you explain it to me after class).

o   Class time is not for surfing the Web, monitoring Facebook, texting, or catching up on email. You will be asked to leave the class if you continually violate this policy. The same thing applies to cell phone usage for messaging during class.

o   Turn off or silence your cell phones and any other electronic devices and put them away. Please, no texting. I think we can all go a little over an hour without contact with the outside world! Leaving class to return calls and coming back is not acceptable. If you have an emergency situation that requires your cell phone to be on, let me know and we'll work something out.

o   Dress appropriately and conduct yourself professionally and with respect toward your peers and the instructor. Please don't talk while the instructor or others are discussing course materials. Participating in the class is the best way to avoid disturbing the class.

o   Follow MSU Covid19 behavioral policies and procedures

Professionalism:

The faculty, staff, and students of the Dillard College of Business Administration are committed to being a "professional" in our words, conduct, and actions. The qualities of a professional include:

- A commitment to the development of specialized knowledge
- Competency in analytical, oral and written communication skills
- Self-discipline
- Reliability
- Honesty and integrity
- Trustworthiness
- Timeliness
- Accountability for words and actions
- Respect for others and other cultures
- Politeness and good manners
- A professional image (professionals look professional)
- An awareness of their environment and adaptability to different settings
- Confidence without arrogance
- A commitment to giving back to your community

COVID 19 Policies:
Students must wear facemasks while in the Dillard Building at all times, except when making a class presentation with at least 10' separation from others. We'll maintain at least 6' social distancing at all times in the classroom. If you have concerns about being in a classroom, speak with me to make appropriate arrangements ASAP. If you are feeling ill (no matter how minor), please do not attend the physical classroom session and instead attend class via the Zoom live stream. I plan to live stream every class session, so while you should notify me, if feasible, about any absence in advance as a professional courtesy, the live stream should be available even without advance coordination.

Tentative schedule (See attached.)

Please keep this syllabus as a reference! Students are responsible for all information contained in the syllabus and for any changes to the syllabus, which will be announced in class.

Course Schedule
Table 2: The below table has the class date, major topic and activity for each date.

Week	Date	Day	Chapter	Topic
center: **MIS 4163 MW Spring 2022 Course Schedule**				
1	01/10/2022	Monday	Introduction	No Class
	01/12/2022	Wednesday	1	Class Overview
2	01/17/2022	Monday	Martin Luther King's Day	An Overview of Systems Analysis and Design
	01/19/2022	Wednesday	2	Investigating System Requirements
3	01/24/2022	Monday	2	Investigating System Requirements (cont.)
	01/26/2022	Wednesday	3	Identifying User Stories and Use Cases
4	01/31/2022	Monday	3	Identifying User Stories and Use Cases (cont.)
	02/02/2022	Wednesday	4	Domain Modeling
5	02/07/2022	Monday	4	Domain Modeling (cont.)
	02/09/2022	Wednesday	5	Use Case Modeling
6	02/14/2022	Monday	5	Use Case Modeling (cont.)
	02/16/2022	Wednesday	**Exam1 Chapters 1-5**	
7	02/21/2022	Monday	6	Foundations for System Design
	02/23/2022	Wednesday	7	Defining the System Architecture
8	02/28/2022	Monday	7	Defining the System Architecture (cont.)
	03/02/2022	Wednesday	8	Designing User Interface
9	03/07/2022	Monday	8	No Classes
10	03/09/2022	Wednesday	9	Designing User Interface (cont.)
	03/14&16/2022		Spring Break	Designing the Database
11	03/21/2022	Monday	9	Designing the Database (cont.)
	03/23/2022	Wednesday	**Exam2 Chapters 6-9**	
12	03/28/2022	Monday	10	Approaches to System Development
	03/30/2022	Wednesday	11	Project Planning and Project Management
13	04/04/2022	Monday	12	Object-Oriented Design: Fundamentals
	04/06/2022	Wednesday	12	Object-Oriented Design: Fundamentals (cont.)
14	04/11/2022	Monday	13	Object-Oriented Design: Use Case Realization
	04/13/2022	Wednesday	13	Object-Oriented Design: Use Case Realization (cont.)
15	04/18/2022	Monday	14	Deploying the New System
	04/20/2022	Wednesday		Team Project Presentations
16	04/25/2022	Monday		Team Project Presentations
	04/27/2022	Wednesday		Team Project Presentations
Final	05/03/2022	Wednesday	**Exam3 chapters 10-14**	