

OVERVIEW

This is a fast-paced, deep dive into the systems analysis and design with an emphasis on the design phase.

STUDENTS MUST BE PREPARED TO BE CHALLENGED

Instructor: Michael L. Gonzales, PhD

Office Hours: By Appointment

E-mail: Email must be done through Black Board or sent to mlgonzales2@utep.edu

Class:

Location	COBA
Time	12:00pm to 1:50pm, Tuesday and Thursday
Date Range	June 11 th through July 6 th , 2018

Course Objectives - This course introduces CIS and non-majors to fundamental skills of analysis and design of management information systems. Students learn the concepts of Information Systems related to strategy, investigation, analysis, and documentation based on modern information systems, system analysis and design tools/techniques. The related concepts of IS impact of corporate strategy, and IS management, organization, information processing are covered.

Required Textbook: Systems Analysis and Design, 9th Edition
Gary B. Shelly, Harry J. Rosenblatt
Publisher: Course Technology, Cengage ISBN: 13:9780538481618
FREE PDF Downloads Available

Required Papers/Articles: There are several papers/articles required for the semester. Papers will be assigned during class.

Required Projects: Four (4) projects will be assigned. All are worth 50 points each. Scores will be assigned as follows:

- 70% of points for content:
 - Addresses assigned objectives
 - Completeness and accuracy
- 30% of points on presentation quality, including:
 - Spelling, grammar, and neatness
 - Properly referenced

Projects requiring paper submission must be developed and submitted as follows:

- Type written, single-spaced, 500 words, not including cover page, table of contents, or reference page.
- Word version using 8 ½ x 11, Normal (1" margins)
- Graphs, figures, and tables will be placed in an appendix
- Cover page with project name, student name, course, and date
- Emailed to Professor: mlgonzales2@utep.edu

All projects are considered business documents. Errors and/or sloppy work will result in a loss of points.

Important Project Grading Notes:

1. Assignments are due at the *beginning* of class and will not be accepted if turned in late, resulting in a zero (0) score for the assignment.
2. All papers will be checked for plagiarism. Any paper found plagiarized will result in a drop in letter grade or a zero (0) score for the assignment determined by professor.
3. Any papers proven significantly similar will result in a drop of one or more letter grades for all students involved.

Policies & Procedures:

1. Instructor reserves the right to change the class syllabus as needed during the semester.
2. All students are expected to arrive in class prepared, i.e., assigned readings completed and projects ready to turn in for grading.
3. Dates for quizzes are at the discretion of the professor.
4. NO make-up projects/quizzes will be allowed for students who cannot take an exam or submit the project on the scheduled date unless the student notifies the instructor PRIOR to the schedule due date.
5. NO projects will be accepted after the due date and time.
6. You are expected to do your own work both inside and outside the classroom. Refer to UTEP Academic Honesty Policy.

Grading:

<u>Grade Component</u>	<u>Points</u>	<u>% of Grade</u>
Projects (4)	200	50%
Pop Quiz (4)	100	25%
Final Exam	100	25%
Total	400	100%

<u>Overall average</u>	<u>GRADE</u>
Above 90%	A
80 - 89.99%	B
70 - 79.99%	C
Below 70%	F

Any student with a "B" or better including ALL projects does not have to take the final.

Grading NOTE: Extra credit may be offered and pop quizzes will be given at the discretion of the professor and only announced in class.

SCHEDULE

Date	TOPICS	Course Content
1-22-19	Course Review: Syllabus, Course Objectives, Lecture	
1-24-19, 1-29-19	Introduction to Systems Analysis and Design Software Development Lifecycles and Methodologies	Shelly Chapter 1 SDLC Quick Guide SDLC Models & Methods
1-31-19, 2-5-19, 2-7-19	Planning: Analyzing the Business Case IT-enabled Strategy PROJECT #1 Assigned: 1-31-19 IT-enabled Strategy	Shelly Chapter 2 There's an App for That Cracking the Digital Code
2-12-19, 2-14-19, 2-19-19, 2-21-19	Requirements: Requirements Identification and Documentation PROJECT #1 Due: 2-12-19	Shelly Chapter 4 CAMA
2-26-19, 2-28-19	Analysis: Data Architecture and Process Modeling	Shelly Chapter 5 System Architect
3-5-19, 3-7-19, 3-12-19, 3-14-19	Analysis: Development Strategies PROJECT #2 Assigned: 3-5-19 State of Off-shore PROJECT #2 Due: 3-14-19	Shelly Chapter 7 Reading set TBA
3-19-19, 3-21-19	SPRING BREAK - NO CLASS	
3-26-19, 3-28-19	Design: User Interface Design	Shelly Chapter 8
4-2-19, 4-4-19, 4-9-19, 4-11-19	Design: Data Design PROJECT #3 Assigned: Data Warehouse vs. Data Lake April 5th – Drop/Withdrawal Deadline	Shelly Chapter 9 Reading set TBA
4-16-19, 4-18-19	Design: System Architecture PROJECT #3 Due: 4-16-19	Shelly Chapter 10
4-23-19, 4-25-19, 4-30-19	PROJECT #4 Assigned: The SALES Data Set	Sales Data Set SQL Workshops
5-2-19	PROJECT #4 Due	
5-7-19, 5-9-19	Final Review Week	
5-13 thru 5-17-18	FINAL EXAM WEEK	

Course Schedule Notes:

- The instructor reserves the right to make appropriate changes to the schedule as necessary.
- Some classes will be conducted remotely with instructor teaching course material using web-ex during regular class time.
- A fully accredited PhD will be used to support class instruction when necessary.