BCIS 4610 - Analysis of Business Information Systems
Spring 2019
COURSE SYLLABUS

Dr. Chang E. Koh
Phone: (940) 565-3625
E-mail: *Chang.Koh@unt.edu*

Office: BLB 319A
Office Hours: 3:00 – 5:00 pm, Tuesday & Thursday
and by appointment

COURSE DESCRIPTION

The course offers an integrated perspective of the problems in today's Information Systems (IS) environment with concentration on contemporary design methodologies and considerations unique to users of computers and IS. Topics include current systems analysis, modular design, development and implementation, documentation, project planning and task definition, and other systems analysis topics. The course emphasizes structured approach to the analysis and design of information systems.

COURSE OBJECTIVES

Upon successful completion of this course, you are expected to:

- Become familiar with foundations of organizational business processes and how they are supported by information systems;
- Become familiar with the existing approaches to systems analysis and design;
- Learn how to use a variety of tools and techniques for analyzing business problems and designing information systems;
- Gain hands-on experience in designing an information system;
- Gain exposure to modeling tools;
- Learn how to successfully plan and manage an IS project;
- Learn how to effectively communicate with potential IS users and other stakeholders.

PREREQUISITES

- BCIS 3610 or equivalent; 2.7 UNT GPA (2.7 transfer GPA if no courses taken at UNT); a grade of C or better in each previously taken BCIS course, or consent of department.

TEXTBOOKS AND OTHER MATERIALS

- Valacich, Joseph S. and George, Joey F. *Modern Systems Analysis and Design, 8th ed.,* Prentice Hall, 2016 (ISBN 978-0-13-420492-5) (Required)
- Additional, optional books may be announced in class as needed.

CLASS BLACKBOARD SITES

The course extensively uses Blackboard (https://learn.unt.edu) for communication between the instructor and students and among students.

GRADING

Point Distribution

Component	Points
2 exams (250 each)	500
Individual assignments	100
Class quizzes, attendance, and participation	100
Team project	300
Total	1,000

Grading Scale

Percent	Grade
90.0 – 100 %	A
80.0 – 89.9 %	B
70.0 – 79.9 %	C
60.0 – 69.9 %	D
Less than 60 %	F

INDIVIDUAL ASSIGNMENTS

Up to five assignments will be given throughout the semester on topics covered in class. Most of the assignments will require the use of software such as Oracle, Microsoft Access and Microsoft Project. Details on the assignments will be provided in class.

Unless otherwise instructed, all assignments are due at the beginning of the class on the due date. Any assignment turned in late (i.e., after assignments have been collected) will be penalized by 50 percent of the total possible grade. No assignments will be accepted after the due date.

TEAM PROJECT

Each student will participate in a systems analysis and design project as a team member. The objective of the project is to give students hands-on experience of analyzing and designing a computer-based IS application following a structured systems development methodology and using a CASE tool such as Oracle Designer.

Team:

Each team will consist of up to six members. It is the responsibility of individual students to find colleagues to work with as a team. Once a team is formed, each member has obligation to stay and function as a productive team member until the completion of the project. Any disputes, conflicts and problems within a team must first be resolved among the members.

Each team will elect team leader who will be responsible for coordinating various project tasks and communicating with the instructor. You may also elect or assign different titles to team members, reflecting different duties and specializations. However, the performance of a team will always be graded as a single unit. That is, the team will get only one grade for their work. However, individual members will receive an adjusted grade at the end of the semester, which reflects the level of contribution as assessed by peers (see enclosed peer evaluation form).

Milestone Reports (100 points):

At the end of each important phases of the project, each team will prepare and submit a report that documents all relevant information as specified in the project case.

Milestone	Title	Chapters	Due	Points
1	Systems proposal	1 – 5	Feb 19	25
2	Systems (requirement) analysis	6 – 8	Mar 19	25
3	Systems design	9 – 12	Apr 9	25
4	Systems implementation	13 – 14	Apr 23	25

Presentation and Demonstration (50 points):

At the conclusion of the project, each team will make a presentation to demonstrate the system and discuss any relevant issues. The objective of these presentations is to deliver the finished system that meets the needs of the user. Details of presentations will be provided later in class.

Final Report (100 points):

Final report collects and organizes all documents prepared and used throughout all phases of the project.

The following is a list of minimum requirements for the report:

- Table of contents
- Executive summary
- Page number on each page (except the cover page)
- All reports and documents collected or produced during the project
- All support diagrams and printout

Peer Evaluation (50 points)

All members of the team will receive the same grade for the presentation and the report. At the end of the project (after the report has been submitted), the team members will anonymously evaluate each other on their levels of contribution to the project. The result of this evaluation will determine the points each member will receive for the peer evaluation part of the project grade.

Report Requirements (All Reports)

- All report assignments are due at the beginning of the class. Assignments turned in late during the class period will be penalized by 50 percent of the grade. No assignment will be accepted after the class.
- All reports should include a cover page with the following information:
    - Team name
    - Names of team members
    - Title (e.g., Milestone 3 Modeling the System's Data)
    - Class and section (i.e., BCIS 4610-001)
    - Due date
- All pages except the cover sheet must be numbered.
- The final report must be submitted in a three-ring binder with all documents organized with a table of contents and tabs that identify major sections.

CLASS QUIZZES, ATTENDANCE AND PARTICIPATION

Regular and punctual attendance for the full class period is expected. Attendance will be recorded. You must attend the entire class to avoid being recorded absent. Any student whose absences exceed the equivalent of two weeks of the class without proper notice may be dropped by the instructor with a WF for nonattendance.

You are expected to come to class prepared. That means you will need to read the assigned chapters and other materials before coming to class and be fully prepared to actively engage in discuss with the class. A quiz will be given in each class in order to assess your preparedness.

CODE OF CONDUCT AND ETHICS

Consult the University of North Texas *Student Handbook* (www.unt.edu/student/code.htm) for guidelines and policies regarding student academic conduct.

Scholastic integrity *must* be exhibited in your academic work, conduct, and methods. Course work for which you receive an individual grade *must* be your original, individual effort. If any evidence of copying, cheating, or any other form of academic dishonesty on all or part of any of your graded course work, you (and any others involved) will be given a zero for that work. A second incident will result in a grade of F in this course and a recommendation for further action by the Dean of Students.

STUDENTS WITH DISABILITIES

The College of Business Administration complies with the Americans with Disabilities Act in making reasonable accommodations for qualified students with disability. If you have an established disability as defined in the Americans with Disabilities Act and would like to request accommodation, please see your instructor as soon as possible.

CLASS SCHEDULE

BCIS 4610 – Spring 2019

Week	Date	Topic	Note
1	1/15	• Course Overview • Chapter 1 – Systems Development Environment	
2	1/22	• Chapter 2 – Origins of Software • Chapter 3 – Managing IS Project • Chapter 3A – Objected-Oriented Systems Development • Microsoft Project • Team Project	☞ Project team formation
3	1/29	• Chapter 4 – Identifying and Selecting Systems Development Projects • Chapter 5 – Initiating and Planning Systems Development Projects • Team Project – Project case discussion	
4	2/5	• Chapter 6 – Determining Systems Requirements • Chapter 7 – Structuring Systems Process Requirements	
5	2/12	• Appendices 7A – 7D – Object-Oriented Analysis and Design • Oracle Designer • Team Project	
6	2/19	Midterm Exam	☐ Milestone 1 due
7	2/26	• Exam Review • Chapter 8 – Structuring Systems Data Requirements	
8	3/5	• Chapter 9 – Designing Databases • Microsoft Access	
	3/12	No Class – Spring Break	
9	3/19	• Chapter 10 – Designing Forms and Reports • Chapter 11 – Designing Interfaces and Dialogues	☐ Milestone 2 due
10	3/26	• Team Project	
11	4/2	• Chapter 12 – Designing Distributed and Internet Systems	
12	4/9	• Chapter 13 – System Implementation • Chapter 14 – Maintaining Information Systems	☐ Milestone 3 due
13	4/16	• Team Project	
14	4/23	• Team Project Presentations and Review	☐ Final report due
15	4/30	Final	

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Name: _____

Peer Evaluation

How would you allocate 100 points to each of your team members (excluding yourself) based on his/her contribution to the project?

In your evaluation, consider the following (but not limited to):

- Did the member complete assigned tasks in a timely manner?
- Did the member complete the tasks correctly and in a professional manner?
- Did the member attend all meetings?
- Did the member actively participate and make valuable contribution during the meetings?
- Did the member encourage others to do well as a team?

Team Name: _____

Name	Points	Comment (If necessary)
Total	100	