University of North Texas
G. Brint Ryan College of Business
Information Technology and Decision Sciences
BCIS 4610 Section 001 - Analysis of Business Information Systems

Subject to Change

Course Information

BCIS 4610 Section 001 - Analysis of Business Information Systems-Spring 2024
Class Meeting: will be in-person, Monday 2:00 PM to 4:50 PM - BLB 010

Instructor Contact

Instructor: Hossein Mohit
Office location: Zoom Meeting
Zoom Meeting ID: https://unt.zoom.us/j/6153295140, Meeting ID: 615 329 5140
Office hours: Tuesdays 12:00 p.m. - 2:00 p.m. via zoom (By appointment only)
Email: Hossein.mohit@unt.edu
Use the Inbox in Canvas (MUST include BCIS 4610 in the Subject Line)
Normally, I will reply to an email within 24 to 48 hours.
To ensure a quick response over the weekends, please email me no later than Friday mornings.
Occasionally I will be unable to respond within that time frame but will inform the class in advance.

About the Professor/Instructor

Welcome to BCIS 4610, Analysis of Business Information Systems at the University of North Texas. I am Hossein Mohit, the instructor for this course and a Ph.D. candidate. I am excited to have you in this course and look forward to learning more about you and your academic career goals while at UNT. Together we will explore a variety of topics within design of information systems, and we will journey through this course together to do great things.

Course Description

The course offers an integrated perspective of the problems in today's Information Systems (IS) environment with a 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, task definition, and other systems analysis topics. The course emphasizes a 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 the 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.

Course Topics

1. Course Overview and Introduction
2. System Development Environment
3. Managing IS Projects
4. Object-Oriented System Development

5. Initiating and Planning Systems Development Projects
6. Determining Systems Requirements
7. Structuring Systems Process Requirements
8. Structuring Systems Data Requirements
9. Designing Databases
10. Designing Forms and Reports
11. Designing Interfaces and Dialogues
12. System Implementation
13. Maintaining Information Systems

Course Structure

This course is a F2F course that lasts 15 weeks (1 semester). See the course schedule table at the end of this file and on Canvas.

Course Pre-requisites and/or Other Restrictions

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.

Required Materials

- Valacich, Joseph S. and George, Joey F. Modern Systems Analysis and Design, 9th ed., Prentice Hall, 2020 (ISBN 978-0-13-517275-9) (Required)
- Additional, optional books may be announced in class as needed.

Hardware & Software Requirements for course

- Personal Computer (PC)
- Lockdown Browser and Respondus Monitor
  - A working Webcam for Respondus Monitor (no exceptions). This camera may be on your laptop or an external camera. A working webcam is required to take all exams and some quizzes. This is non-negotiable.
  - Exams require the use of Respondus Lockdown Browser and Monitor. Therefore you need to download Lockdown browser software (Links to an external site.)
  - Canvas. The course uses Canvas for communication between the instructor and students and among students.

Grade Criteria

Assignments (Subject to change)	Points
Individual Assignments	100
Class Quizzes, Attendance, and Participation	200
Team Project	300
Exam 1	200
Exam 2	200
Total Points Possible with no extra credit	1000

Total Points	Grade
900 & above	A
800 - 899	B
700 - 799	C
600 - 699	D
599 & below	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 by the end of the due date. No assignments will be accepted after the due date.

Team Projects
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 a 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. The performance of a team will always be graded as a single unit. However, individual members will receive an adjusted grade at the end of the semester, which reflects the level of contribution as assessed by peers.

Case
Each team will select a case to be analyzed for its problem, propose a solution, and develop an application following the SDLC approach.

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	System Proposal	**1-5**	**Mar 1**	50
2	System Requirement Analysis	**6-8**	**Apr 5**	50
3	System Design	**9-12**	Incorporated into the final report	
4	System Implementation and Maintenance	**13-14**		

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.
Prepare and record your project presentation in Zoom. Submit your presentation recording to the assignment site in Canvas.

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.
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?

Provide your evaluation in Canvas – Peer Evaluation (Team Project) in the Assignments section.

Report Requirements (All Reports)

- All report assignments are due by the end of the due date unless otherwise instructed. No assignment will be accepted after the due date.
- All reports prepared in Word 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.

Exams

There will be two exams during the semester. You will be tested on all material assigned or taught in this course which includes software projects, quizzes, videos, etc. Respondus Lockdown Browser & Monitor is required to take all exams which require a webcam feature. Instructions are posted on canvas.

Class Quizzes, Attendance, and Participations
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.

If you find that there is no grade recorded for submitted work, or if you want to dispute a grade, you must send your instructor an email about the problem NO LATER THAN 2 DAYS after the submission date. Beyond that date, we will no longer deal with this type of problem.

Academic Integrity Standards and Consequences

According to UNT Policy 06.003, Student Academic Integrity, academic dishonesty occurs when students engage in behaviors including, but not limited to cheating, fabrication, facilitating academic dishonesty, forgery, plagiarism, and sabotage. A finding of academic dishonesty may result in a range of academic penalties or sanctions ranging from admonition to expulsion from the University. 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:
UNT makes reasonable academic accommodation for students with disabilities. Students seeking accommodation must first register with the Office of Disability Accommodation (ODA) to verify their eligibility. If a disability is verified, the ODA will provide a student with an accommodation letter to be delivered to faculty to begin a private discussion regarding one's specific course needs. Students may request accommodations at any time, however, ODA notices of accommodation should be provided as early as possible in the semester to avoid any delay in implementation. Note that students must obtain a new letter of accommodation for every semester and must meet with each faculty member prior to implementation in each class. For additional information see the ODA website at disability.unt.edu

Schedule (subject to change)
Due by Friday day 11:59 p.m. unless otherwise noted.

Week	Date	Topic / Reading	Note
Week 1	1/22	Course Overview Microsoft Project	• Understanding the syllabus
Week 2	1/29	Chapter 1- System Development Environment	• Project team formation
Week 3	2/5	Chapter 3- Managing IS Project Chapter 3A- Object-oriented System Development	• Assignment 1 due Friday, Feb 9
Week 4	2/12	Chapter 5- Initiating and Planning System Development Projects	• Chapter 1 and 3 quizzes
Week 5	2/19	Chapter 6- Determining System Requirements **Team Project**	• Chapter 5 quiz
Week 6	2/26	Chapter 7- Structuring System Process Requirements	• Milestone 1 due Friday, Mar 1 • Chapter 6 quiz
Week 7	3/4	Midterm Exam (Chapters 1,3, 5, 6, 7)	• Assignment 2 due Friday, Mar 8
Week 8	3/11	Spring Break	
Week 9	3/18	Chapter 8- Structuring System Data Requirements	• Chapter 7 quiz
Week 10	3/25	Chapter 9- Designing Databases Microsoft Access	• Assignment 3 due Friday, Mar 29 • Chapter 8 quiz
Week 11	4/1	Chapter 10- Designing Forms and Reports	• Milestone 2 due Friday, Apr 5 • Chapter 9 quiz
Week 12	4/8	Chapter 11- Designing Interfaces and Dialogues	• Assignment 4 due Friday, Apr 12
Week 13	4/15	Chapter 13- System Implementation	• Chapter 10&11 quiz
Week 14	4/22	Chapter 14- Maintaining Information Systems	• Chapter 13 quiz
Week 15	4/29	Team Projects	• Presentation and final report due Friday, May 3 • Chapter 14 quiz
	5/6	Final Exam - Chapters 8-11 and 13-14	