

INFS 496: Systems Analysis and Design Fall 2018

Instructor: Chris Oh

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Office Hours: Schreiber Center Office 505B, Wednesday 4-6PM - By appointment only

Course Description/Overview:

Provides a core set of skills for planning, managing and executing systems analysis and design processes in e-business and Web-based environments. Topics typically include project initiation and planning, methods used in the determination of information requirements, prototyping, techniques used in systems design, testing and implementation strategies. Ethical, social and environmental issues presented in the development and the use of information systems will be discussed.

Course Objectives and Learning Outcomes

- 1) Understanding of the development and implementation of business information systems.
- 2) Explain the purpose and activities of the systems development life cycle phases
- 3) Understand project management techniques
- 4) Identify and understand system inputs and outputs
- 5) Understand and model system entities and data stores
- 6) Understand and model system processes, events, and data flows within a system
- 7) Understand and model classes of data within a system
- 8) Understand concepts relating to various models, tools, and techniques used in system analysis/design

Required Materials

Dennis, A. Systems Analysis and Design, 5th Edition, Wiley, 2012. ISBN: 978-1118057629. (The 5th Edition, ISBN: 9781118057629) can also be used, however is not available in the Bookstore.

Other course materials will be posted on Sakai

Course Requirements and Grading Criteria

Quiz: 15%
Final Exam: 30%
Homework: 15%
Class Presentation: 5%
Project: 30%
Class Participation: 5%
Total 100%

- HW assignments are due before 6:00 p.m. on the due date via Sakai

- Extra Credit - Extra credit points may be earned through the identification of current course related information and sharing of that information with the class. Potential sources of information include journals, newspapers, magazines, etc. Two extra credit points will be awarded for each contribution, with a maximum of two points per class and four points over the quarter. To receive credit for a contribution, a one-paragraph summary must be emailed at least one hour prior to the start of class.

Course grading scale

- A 100-93%
- A- 92-90
- B+ 89-87
- B 86-83
- B- 82-80
- C+ 79-77
- C 76-73
- C- 72-70
- D+ 69-67
- D 66-60
- F 59 and below

Attendance

Class attendance is mandatory and essential to the value of the learning experience. Students are expected to attend all class sessions in order to pass the course. Missing more than 20% of scheduled classes severely jeopardizes the student's ability to pass the course. In the event unavoidable emergencies or conflicts prevent you from attending class, you must notify the instructor by e-mail prior to missing the class, and request options for covering missed material. Most of the subjects in a course are sequential. Therefore, it is important to understand the material covered in the missed class before the next class.

Make-Up Examinations/Assignments

There will be a final examination given during our last class meeting. This exam will be an in-class closed book, closed notes exam. Mark your calendar today to make sure that you do not have any conflicts with this exam! If a student cannot attend the exam on our scheduled date, arrangements for an alternate date can be made if the instructor is notified more than 48 hours in advance and a legitimate reason is presented. The exam on an alternate date may be different from the scheduled exam.

Academic Integrity

All members of the Quinlan School shall refrain from academic dishonesty and misconduct in all forms, including plagiarism, cheating, misrepresentation, fabrication, and falsehood. Plagiarism or cheating on the part of the student in individual or group academic work or in examination behavior will result minimally in the instructor assigning the grade of "F" for the assignment or examination. In addition, all instances of academic dishonesty must be reported to the chairperson of the department involved. For further information about expectations for academic integrity and sanctions for violations, consult the complete Quinlan School of Business Honor Code and Statement of Academic Integrity on the Quinlan website:

<http://www.luc.edu/media/lucedu/quinlanschoolofbusiness/pdfs/Honor-Code-Quinlan-July2012.pdf>

- All cell phones must be placed on vibrate during class. No texting during class.

INFS 496 Fall 2018 Tentative Schedule

Please note: This class may occasionally deviate from the course outlined above. The instructor reserves the right to make changes as needed to the course syllabus.

Date	Topics	Readings
8/29	Introduction Planning Phase: The Systems Analyst and Information Systems Development, Project Selection and Management	Chapters 1-2 <u>Due:</u> HW1
9/5	Analysis Phase: Requirements Determination, Use Case Analysis	Chapters 3-4 <u>Due:</u> HW2
9/12	Analysis Phase: Process Modeling, Data Modeling	Chapters 5-6 <u>Due:</u> HW3
9/19	Design Phase: Moving into Design, Architecture Design	Chapters 7-8 <u>Due:</u> HW4
9/26	Design Phase: User Interface Design, Program Design	Chapters 9 <u>Due:</u> Quiz
10/3	Design Phase: Program Design	Chapter 10 <u>Due:</u> Project Deliverable 1 (Group)
10/10	Design Phase: Data Storage Design Implementation Phase: Moving Into Implementation	Chapters 11-12
10/17	Implementation Phase: Transition to the New System, The Movement to Objects	Chapters 13-14 <u>Due:</u> Project Deliverable 2 (Group)
10/24	Group Project Presentations	<u>Project Presentations</u> (All Groups) <u>Due:</u> Project Deliverable 3 (Group)
10/31	Final Exam	