



QUINLAN
SCHOOL of BUSINESS

Schreiber Center • 16 E. Pearson St.
Water Tower Campus • Chicago, IL 60611
LUC.edu/Quinlan

INFS 347 – 10W Systems Analysis & Design
Spring 2018
TuTh 10:00AM - 11:15AM Schreiber Center - Room 406

Instructor: Dr. Frederick Kaefer

Email: fkaefer@luc.edu

Office: Schreiber Center Room 403

Office Phone: 312-915-7063

Office Hours: Tuesday and Thursday 12:00-2:00pm, or by appointment

Course Description:

This course studies methods for analyzing, developing and implementing business information systems. Stages of the systems development life cycle are explored in depth. Tools and techniques for structured and object-oriented analysis and design are discussed.

Course Overview:

This course studies how to develop information systems more effectively and efficiently. An important course component is a group project in which students take different roles and apply different analysis techniques and develop detailed specifications for an information system.

Course Objectives and Learning Outcomes

- To understand the development and implementation of business information systems.
- To learn to use and apply systems analysis and design methods.

Required Materials

Dennis, A., B. Wixom, and R. Roth, Systems Analysis and Design, 6th Edition, John Wiley and Sons, 2014 ISBN 978-1-118-89784-3. **May use earlier edition.**

Course Requirements and Grading Criteria

	<u>Percentages</u>	<u>Points</u>
1. Exams	50%	100
2. Written Assignments	20%	40
2. Group Presentation and Paper*	20%	40 <i>*adjusted for peer input</i>
3. Project Reflection Paper	<u>10%</u>	<u>20</u>
	100%	200

Your final course grade will be determined by adding together the points you earn from each of the course requirements.

1. Three exams will be given during the semester, of which your two highest scores will be used to compute your overall exam score. These exams will be in-class and closed book exams. You are required to take exams during the time specified for this section. Mark your calendar today to make sure that you do not have any conflicts with any of the exams! **No makeup exams will be given.** If for some reason you miss an exam, that exam will be the exam score that will not be used to compute your overall exam score.
2. This is a writing intensive class, and we will have weekly written assignments as an integral part of the course. Topics will be specified by the instructor, with some assignments being in-class writing activities and others being assigned for completion outside of class. For outside of class writing assignments, students are expected to submit a one page, typed, double spaced write-up for each assignment. Late submissions for written assignments will not be accepted.
3. Project specifications and guidelines will be discussed during our first class meeting. The graded components of the project will be the completed project (70%), a group presentation to the class (20%) and a peer evaluation (10%).
4. The project reflection paper's specifications and guidelines will be discussed following the group project presentations at our final class meeting.

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 one contribution per class and three contributions over the semester. To receive credit for a contribution, a one-paragraph summary must be emailed to me at least one hour before the class (make sure to give citation to information source) and the summary must be presented to the class.

-	Course grading scale
A	100.00-92.50%
A-	92.49-90.00
B+	89.99-87.50
B	87.49-82.50
B-	82.49-80.00
C+	79.99-77.50
C	77.49-72.50
C-	72.49-70.00
D+	69.99-67.50
D	67.49-60.00
F	59.99 and below

Attendance

Class attendance and participation are fundamental components of learning, so punctual attendance at all classes, for the full class meeting period, is expected of Quinlan students. Faculty may set participation policies unique to their courses and use class participation as a component of the final grade. The student is responsible for any assignments or requirements missed during an absence.

Make-Up Examinations/Assignments

Loyola University academic policy provides that tests or examinations may be given during the semester or summer sessions as often as deemed advisable by the instructor. Because Quinlan faculty believe examinations represent a critical component of student learning, required examinations should be taken during the regularly scheduled class period. **Make-up examinations are discouraged.** Exceptions may be granted only by the faculty member or department chair, and only for unavoidable circumstances (illness verified by a signed physician's note, participation in intercollegiate athletic events, subpoenas, jury duty, military service, bereavement, or religious observance). A make-up final examination may be scheduled only with the permission of the appropriate Quinlan Assistant or Associate Dean.

If a make-up examination must be given, it is the responsibility of the faculty member to prepare, schedule, and proctor the exam. Limited assistance in proctoring make-up exams may be available through a designated Quinlan administrative assistant. For a student with a documented special testing need, please consult University policy concerning use of the testing center in Sullivan Center at Lake Shore Campus.

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>

Week by Week Course Outline

<u>Week Starting</u>	<u>Topic & Assignment</u>	<u>Reading</u>
1/15	The Systems Analyst and Information Systems Development	Chapter 1
1/22	Planning Phase: Project Selection and Management	Chapter 2
1/29	Analysis Phase: Requirements Determination	Chapter 3
2/5	Analysis Phase: Use Case Analysis	Chapter 4
2/12	Tuesday 2/13 Exam 1 Analysis Phase: Process Modeling	Chapter 5
2/19	Analysis Phase: Data Modeling	Chapter 6
2/26	Design Phase: Moving Into Design and Architecture Design	Chapters 7-8
	Spring Break	
3/12	Design Phase: User Interface Design	Chapter 9
3/19	Tuesday 3/20 Exam 2 Design Phase: Program Design	Chapter 10
3/26	Design Phase: Data Storage Design	Chapter 11
4/2	Implementation Phase: Implementation	Chapter 12
4/9	Implementation Phase: Transition to the New System	Chapters 13
4/16	Tuesday 4/17 Exam 3, Group Project meetings	
4/23	Group Project Presentations	

Final Exam Tuesday, 5/1 Project Reflection Paper 1:00pm - 3:00pm in our regular classroom

Additional Information

- To minimize distractions, all cell phones must be put away during class. No texting during class.

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.