Lincoln University

BA 262
Systems Analysis and Design

COURSE SYLLABUS
Fall 2018

Instructor: Prof. Miron Yoffe

Lecture Schedule: Saturday, 9:00 AM – 11:45 AM
Credits: 3 units
Level: Mastery 1 (M1)
Office Hours: Saturday 15:30 PM – 16:15 PM
For additional office hours by appointment
e-mail: myoffe@lincolnuca.edu
☎ 617-928-1966
Assistant to the Instructor TBD
e-mail: TBD
Textbook: Modern Systems Analysis and Design
Josef S. Valacich, Joel F. George, 8th Edition (2017)
ISBN-13: 978-0-13-420492-5 ISBN-10: 0-13-420492-1
PEARSON
*** Previous editions of this book are okay too ***
Software: Teradata University Database
Diagramming Software Lucidchart

CATALOG DESCRIPTION

An examination of principles of system analysis design with emphasis on business applications; applications of the systems viewpoint of problem solving, identification of alternatives, and simulation; solving problems by using existing programs and student- designed programs. (3 units) ***Prerequisite: BA 160***

COURSE OBJECTIVES

To introduce business students to the concepts, required skills, methodologies, techniques, and tools essential for the successful development of information and other business software systems. Students will learn system development environment and software design origination process, how to identify, select, initiate, and plan software system development and integration projects, determine system requirements, structure system processes, develop system specifications, and user-machine interaction.

COURSE LEARNING OUTCOMES

	Course LO	Program LO	Institutional LO	Assessment
1	Students are expected to develop familiarity with the theoretical and practical side of Management Information Systems	PLO 1	ILO 1b, ILO 2b	Course project, quizzes, midterm/final exam
2	Students must be able to identify a problem area and propose an information system to solve the problem.	PLO 2	ILO 1b, ILO 2b, ILO 4b	Course project
3	Students are expected to propose and work on initial specification of an information system	PLO 4	ILO 4b, ILO 5b, ILO 6b	Course project
4	Students are expected to work on a team to identify a problem area and propose a management information system to solve the problem	PLO 5	ILO 4b, ILO 5b	Course project

PROCEDURES AND METHODOLOGY

This is a direct classroom instruction course.
Lecture method is used in combination with a supervised business case study. The emphasis will be on learning by doing. Every student must participate in an intensive classroom activity.

Assignments and projects require students to actively use resources of the library. Detailed guide to business *resources of the library* as well as the description of Lincoln University approach to *information literacy* are available at the Center for Teaching and Learning website (ctl.lincolnuca.edu).

COURSE PROJECT

Every student must complete and submit a course project. The project includes high level design of a information, transaction or control system.

REQUIREMENTS

Continuous assessment is emphasized. Written or oral quizzes will be given every week. Students must complete all assignments and take all quizzes, mid-term exam and final exam on the dates due. Plagiarism will result in the grade “F” and a report to the administration.

ATTENDANCE

Students are expected to attend each class session. If you cannot attend a class due to a valid reason, please notify the instructor prior to the class.

EXAMS

Both, midterm and final exams are structured as written true/false and multiple-choice questions that cover the theoretical material

Exams will cover all assigned chapters, any additional readings or supplementary materials covered in class. The exams are neither "open book" nor "open notes."

Cheating in exam results in immediate termination of the exam, grade "F" with ZERO points, and report to the dean.

GRADING AND SCORING

All activities will be graded according to the points as shown below.

Grade	A	A-	B+	B	B-	C+	C	C-	D+	D	F
Points	94-100	90-93	87-89	84-86	80-83	77-79	74-76	70-72	67-69	60-66	0-59

The final grade for the course will be given as the total weighted score for all activities according to the percentage shown in the table below.

Activity	Time	Percent
Quizzes, home tasks, and classroom activities	Every week	20%
Course project	According to schedule	20%
Mid-term exam	According to schedule	30%
Final exam	According to schedule	30%

If both grades for the midterm and final exams are "F" the term grade for the course is "F" regardless of the grades for the project and classroom activities.

COURSE SCHEDULE

Lectures		Topic	Chapters
#	Date		
1	25-Aug	The System Development Environment	Ch. 1
2	1-Sep	The Origins of Software	Ch. 2
3	8-Sep	Initiating and Planning Systems Development Projects	Ch. 5
4	15-Sep	Determining System Requirements	Ch. 6
5	22-Sep	Structuring System Data Requirements	Ch. 8
6	29-Sep	Designing Databases (I)	Ch. 9
7	6-Oct	Designing Databases (II)	Ch. 9
8	13-Oct	**Midterm Exam**	Ch. 1 - 9
9	20-Oct	Designing Forms and Reports	Ch. 10
10	27-Oct	Designing Interfaces and Dialogues	Ch. 11
11	3-Nov	Designing Distributed and Internet Systems	Ch. 12
12	10-Nov	System Implementation	Ch. 13
13	17-Nov	Maintaining Information Systems	Ch. 14
	24-Nov	**Fall Recess**	
14	1-Dec	**Final Exam**	Ch. 10 –14
15	8-Dec	Course Project Presentations	

CHEATING AND PLAGIARISM

Cheating is the actual or attempted practice of fraudulent or deceptive acts for the purpose of improving one's grade or obtaining course credit. Acts of cheating include, but are not limited to, the following:

(a) plagiarism;
(b) copying or attempting to copy from others during an examination or on an assignment;
(c) communicating test information with another person during an examination;
(d) allowing others to do an assignment or portion of an assignment;
(e) using a commercial term paper service.

Penalties for cheating and plagiarism range from a 0 or F on an assignment, through an F for the course, to expulsion from the university. Anyone caught cheating or plagiarizing will receive a zero (0) on the exam or assignment, and the instructor may report the incident to the Dean of Students, who may place related documentation in a file. Repeated acts of cheating may result in an F in the course and/or disciplinary action.

LETTERS OF RECOMMENDATION

Letters of recommendation will be provided upon request to students, who have completed all course requirements and received grade "A" for the course.

OTHER COMMENTS

- Please participate. What you put into the class will determine what you get out of it – and what others get out of it.
- Please come on time. Late arrivals disturb everyone else.
- If you miss a class, you are responsible for getting notes/slide printouts on the material covered from a classmate or the instructor.
- To avoid distracting noise in class, cellular phones must be turned off or the ringing mode silenced.
- Questions and comments during the class are welcome. Do not hesitate to ask questions – do not leave anything unclear for you.

MODIFICATION OF THE SYLLABUS.

The instructor reserves the right to modify this syllabus at any time during the semester. Announcements of any changes will be made in a classroom.