Lincoln University

BA 352
Advanced System Analysis and Design

COURSE SYLLABUS

Spring 2017

Lecture Schedule:	Monday, 3:30 PM – 6:15 PM
Credit:	3 units (45 lecture hours)
Instructor:	Prof. Sergey Aityan
Office Hours:	Monday 11:15 AM – 12:15 PM Wednesday 11:45 AM – 12:30 PM Students are advised to schedule appointments by signing their names on the appointment list which is located on the information board next to the professor's office that will ensure exact appointment time without waiting. **e-mail:** aityan@lincolnuca.edu ☎**:** (510) 628-8016
Assistant to the Instructor:	Genadi Feldman e-mail: genkaf@gmail.com
Textbook:	**1. Textbook:** Jeffrey A. Hoffer, Joey F. George, and Joseph S. Valacich, (2007), Modern System Analysis and Design, 5th Edition, Prentice Hall (ISBN: 978-0132240765) *** Previous editions of this book are okay too ***
Last Revision:	December 26, 2016

CATALOG DESCRIPTION

Analysis of real world information systems. Included are requirements analysis, data flow diagrams, data dictionaries, systems proposals and design. (3 units)
Prerequisite: BA 260 or BA 350

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..

PROCEDURES AND METHODOLOGY

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

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 essay to answer the given questions. Each exam includes six questions. The essay must be written clearly and easy to read, structurally with clear logical presentation of the answers. Graphs, charts, tables, and other supporting illustrations are required if needed. Examples to illustrate the answers are required.

Exams will cover all assigned chapters, any additional readings or supplementary materials covered in class. The final exam is comprehensive, i.e. includes the whole course. 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	93-100	90-92	87-89	83-86	80-82	77-79	73-76	70-72	67-69	60-66	0-59

In exams every answer is graded by points from 0 to 100 and the total points for an exam are calculated as the average of the points received for all answers in the exam.

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		20%
Mid-term exam	In the middle of the course	30%
Final exam	Last week of the course	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	23-Jan	The System Development Environment	Ch. 1
2	30-Jan	The Origins of Software	Ch. 2
3	6-Feb	Managing an Information System Project	Ch. 3
4	13-Feb	Identifying and Selecting Systems Development Projects	Ch. 4
	20-Feb	President's Day – No classes	
5	27-Feb	(a) Initiating and Planning Systems Development Projects (b) Determining System Requirements	Ch. 5 Ch. 6
6	6-Mar	Structuring System Process and Logic Requirements	Ch. 7
7	13-Mar	Structuring System Logic and Data Requirements	Ch. 8, 9
8	20-Mar	Midterm Exam	Ch. 1 - 9
9	27-Mar	Designing Databases	Ch. 10
10	3-Apr	Designing Forms and Reports	Ch. 11
11	10-Apr	Designing Interfaces and Dialogues	Ch. 12
12	17-Apr	(a) Finalizing Design Specifications (b) Designing Distributed and Internet Systems	Ch. 13 Ch. 14
13	24-Apr	(a) System Implementation (b) Maintenance of Information Systems	Ch. 15 Ch. 16
14	1-May	Comprehensive Final Exam	Ch. 1 – 16
15	8-May	Course Project Presentations	

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.