LINCOLN UNIVERSITY
BA 262 – Systems Analysis and Design
Spring 2012 Course Syllabus

Lecture Schedule: Wednesday, 3:30 PM – 6:15 PM
Credit: 3 units (45 lecture hours)
Instructor: Dr. Sergey Aityan
Office Hours: Monday, 3:30 PM – 4:30 PM
Wednesday, 2:00 PM – 3:00 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
Phone: (510) 628-8016

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 ***

2. Optional Source:
Publisher's Web resources at http://www.prenhall.com/hoffer/

Last Revision: December 8, 2011

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; and make use of the computer to solve problems using existing programs and student designed programs. (3 units) *Prerequisite: BA 260*

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.

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 to the given questions.
The essay must be written 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 exams are neither "open book" nor "open notes."

GRADING
The final grade for the course consists of the following components weighted as shown in the
table below:

Activity	Time	Percent
Quizzes, home tasks, and classroom activities	Every week	20%
Course project	Every week	20%
Midterm exam	Second part of March	30%
Final exam	Last week of the course	30%

SCORING
All results of written test will employ a numerical scoring system that is convertible to grades as
indicated below.

94-100	A		73-76	C
90-93	A-		70-72	C-
87-89	B+		67-69	D+
83-86	B		63-66	D
80-82	B-		60-62	D-
77-79	C+		0-59	F

COURSE SCHEDULE

Weeks	Topics	Chapters
1	The System Development Environment	Ch. 1
2	The Origins of Software	Ch. 2
3	Managing an Information System Project	Ch. 3
4	Identifying and Selecting Systems Development Projects	Ch. 4
5	Initiating and Planning Systems Development Projects	Ch. 5
6	Determining System Requirements	Ch. 6
7	Structuring System Process and Logic Requirements	Ch. 7
8	Structuring System Logic and Data Requirements	Ch. 8, 9
9	(a) Course Review	Ch. 1-9
	(b) Midterm Exam	Ch. 1-9
10	Designing Databases	Ch. 10
11	(a) Designing Forms and Reports	Ch. 11
	(b) Designing Interfaces and Dialogues	Ch. 12
12	(a) Finalizing Design Specifications	Ch. 13
	(b) Designing Distributed and Internet Systems	Ch. 14
13	(a) System Implementation	Ch. 15
	(b) Maintenance of Information Systems	Ch. 16
14	Course Project Presentations	
15	(a) Course Review	Ch. 1-16
	(b) Comprehensive Final Exam	Ch. 1-16

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.