LINCOLN UNIVERSITY
Department of Business and Economics
Spring 2009

COURSE:	**BA 382 - Advanced Systems Analysis and Design -** 3 units
INSTRUCTOR:	Prof. Leonid Romanyuk
OFFICE HOURS:	MW 11:50-12:25, room 402, e-mail: romanyuk@lincolnuca.edu
TEXT:	**Modern Systems Analysis and Design,** 5th Edition, by Jeffrey Hoffer, Joey George, Joseph Valacich, Prentice Hall, 2008, ISBN: 0132240769
OPTIONAL:	Publisher's Web resources at http://www.prenhall.com/hoffer/

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 262 or BA 381

LEARNING OBJECTIVES:

To introduce students from a business, rather than a technology, perspective to the concepts, skills, methodologies, techniques, tools, and perspectives essential to successfully develop information systems. The students will learn about the systems development environment and the origins of software, learn the skills for managing the information systems project, identifying, selecting, initiating, and planning systems development projects, determining system requirements, structuring system process, logic, and data requirements. The students will learn how to design databases, forms, reports, interfaces, dialogues, and finalize design specifications, how to design distributed and the Internet systems, and how to implement and maintain information systems.

INSTRUCTIONAL METHODS:

Lecture method is used in combination with the practical use of the Internet and system development software tools to solve analysis and design problems. The emphasis will be on learning by doing. Every student must participate in an intensive classroom activity. Reading, writing, "business case study", and project assignments will be made throughout the course

TOPICAL OUTLINE OF THE COURSE: weekly schedule of topics is attached

REQUIREMENTS:

All students are required to attend the class. 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. ***No computers or cellular phones will be allowed to use during tests***

GRADING:

Classroom activities and quizzes	every week	20%
Assignments and Projects	every week	30%
Mid-term exam	9th week	20%
Final exam	as scheduled	30%

Less than 60% total is an "F"; 75% total is "C+". Other grades will be calculated "on the curve" from the scores above.

SPRING 2009 SCHEDULE OF TOPICS AND REQUIRED READING

Read every chapter on the topic to be discussed in class before you come to class.

Week #	Topics	Chapter #
1 1/14/09	The Systems Development Environment	1
2 1/21/09	The Origins of Software	2
3 1/28/09	Managing the Information Systems Project	3
4 2/04/09	Identifying and Selecting Systems Development Projects	4
5 2/11/09	Initiating and Planning Systems Development Projects	5
6 2/18/09	Determining System Requirements	6
7 2/25/09	Structuring System Process Requirements	7
8 3/04/09	Structuring System Logic Requirements	8
	Review	1 - 8
9 3/11/09	**MIDTERM EXAM**	1 - 8
	Structuring System Data Requirements	9
10 3/18/09	Spring recess	
11 3/25/09	Designing Databases	10
12 4/01/09	Designing Forms and Reports	11
13 4/08/09	Designing Interfaces and Dialogues	12
14 4/15/09	Finalizing Design Specifications	13
15 4/22/09	Designing Distributed and Internet Systems	14
16 4/29/09	System Implementation and Maintenance	15, 16
	Review	1 - 16
17 5/06/09	**COMPREHENSIVE FINAL EXAM**	1 - 16