Lincoln University

BA 262 – Systems Analysis and Design

COURSE SYLLABUS

Fall 2024

Instructor:	Prof. Alexey Brudno
Lecture Schedule:	Wednesday, 12:30 PM – 3:15 PM
Credits:	3 units (45 lecture hours)
Level:	Advanced (A)
Contact information:	e-mail: abrudno@lincolnuca.edu
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 and new editions of this book are okay too ***
Last Revision:	August, 2024

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 MBA students to the concepts, required skills, methodologies, techniques, and tools essential for the successful development of Management Information Systems (MIS). Students will learn system development environment and how to identify, select, initiate, and plan MIS development, determine system requirements, structure system processes, develop system specifications, design user interfaces, and evaluate different costing options.

COURSE LEARNING OUTCOMES (CLO) [1]

#	Course LO	Program LO	Institutional LO	Assignment
1	Students are expected to develop familiarity with the theoretical and practical sides of MIS development.	PLO 1	ILO 1a ILO 2a	Quizzes, Exams
2	Students are expected to demonstrate theoretical knowledge and problem solving skills and idenyify associatated risks and financial constrains.	PLO 2	ILO 1a ILO 2a ILO 4a	Research assignments
3	Students are expected to demonstrate autonomy; creativity and responsibility in developing project MIS.	PLO 3	ILO 4a ILO 5a ILO 6a	Research assignments

PROCEDURES AND METHODOLOGY

This is an online instruction course. Lecture method is used in combination with a supervised business case study. The emphasis will be on learning by doing assignments and projects which 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 LU Library website (lincolnuca.libguides.com)

COURSE PROJECT

Designated teams will develop projects. Every student must actively participate in course project. The project should cover high level of planning, design and preparation of MIS system requirements and cost estimates. Project grades will be adjusted for team members individually based of their contribution and performance.

REQUIREMENTS

Continuous assessment is emphasized. 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.

GRAIDING AND SCORING

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

[1] Detailed description of learning outcomes and information about the assessment procedure are available at the Learning Outcomes Assessment section of LU website.

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.

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

The final grade for the course will be given as a weighted score for all activities.

Activity	Time	Percent
Attendance, Quizzes	During the course	10%
Mid-term exam	According to schedule	20%
Final exam	According to schedule	30%
Course project	According to schedule	40%
Total		**100%**

COURSE SCHEDULE

Class	Date	Topics	Chapters
Lecture 1	08/28	The System Development Environment	Ch. 1
Lecture 2	09/04	The Origins of Software	Ch. 2
Lecture 3	09/11	Managing the Information System Project	Ch. 3
Lecture 4	09/18	Identifying and Initiating MIS project	Ch. 4-5
Lecture 5	09/25	Analysis - Determining System Requirements	Ch. 6
Lecture 6	10/20	Analysis - Structuring Systems Requirements	Ch. 7-8
Midterm exam	10/09	Midterm exam	Ch. 1-8
Lecture 7	10/16	Database design	Ch. 9
Lecture 8	10/23	Designing Forma and Reports	Ch. 10
Lecture 9	10/30	Designing Interfaces and Dialogues	Ch. 11
Lecture 10	11/06	Designing Distributed and Internet Systems	Ch. 12
Lecture 11	11/13	System Implementation, System Maintenance	Ch. 13-14
Lecture 12	11/20	Project consultations	Special topic
Fall recess	11/26-30	Fall recess – no classes	
Final exam	12/04	Final exam	Ch. 1-14, special topic
Final class	12/11	The course final grades and closing remarks	N/A

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 assigment;
c) communicating test information and/or solutions 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 0 or F on an assignment, through an F for the course, to expulsion from the university. Anyone caught cheating or plagiarizing willreceive 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.