LINCOLN UNIVERSITY

BA 262 – Systems Analysis and Design

Course Syllabus

Fall 2020

Instructor:	Dr. Alexey Brudno
Lecture Schedule:	Thursday, 9:00 AM – 11:45 AM
Credits:	3 units (45 lecture hours)
Level:	Advanced (Adv)
Contact Information:	**e-mail:** abrudno@lincolnuca.edu
	☎ 240-994-0659
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
Last Revision:	August, 2020

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 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.

COURSE LEARNING OUTCOMES[1]

	Course LO	Program LO	Institutional LO	Assessment Assignments
1	Develop an understanding of the business aspect of the information systems development.	PLO 1	ILO 1a, ILO 2a, ILO 3a	Homework, midterm and final exams
2	Be able to determine system requirements, system process structure, logic, and data requirements of the information system.	PLO 2	ILO 1a, ILO 6a	Case studies, homework
3	Be able to identify, select, plan, and initiate information system development projects in accordance with the business needs of an organization.	PLO 4	ILO 1a, ILO 2a, ILO 5a	Homework, midterm and final exams

PROCEDURES AND METHODOLOGY

This is a direct classroom instruction course **(Exception: Offered online Fall 2020)**.

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. A 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

Projects will be developed by designated teams. 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. 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.

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[1] Detailed description of learning outcomes and information about the assessment procedure are available at the Center for Teaching and Learning website (ctl.lincolnuca.edu).

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	CR	NC
Points	94-100	90-93	87-89	84-86	80-83	77-79	74-76	60-72	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, homework	Every week	20%
Course project	According to schedule	20%
Mid-term exam	According to schedule	30%
Final exam	According to schedule	30%
Total		100%

COURSE SCHEDULE

Sessions #	Date	Topic	Chapters
1	27-Aug	The System Development Environment	Ch. 1
2	3-Sep	The Origins of Software Development and MIS Development	Ch. 2-3
3	10-Sep	Initiating and Planning Systems Development Projects	Ch. 4-5
4	17-Sep	Determining System Requirements and Financial Constrains	Ch. 6
5	24-Sep	Structuring System Processes and Data Requirements	Ch. 7-8
6	1-Oct	Designing Databases	Ch. 9
7	8-Oct	System Requirements Specifications Preparation and Approval	Additional Material
8	15-Oct	**Midterm Exam**	Ch. 1 – 9, #7
9	22-Oct	Designing Forms and Reports	Ch. 10
10	29-Oct	Designing Interfaces and Dialogues	Ch. 11
11	5-Nov	Designing Distributed and Internet Systems	Ch. 12
12	12-Nov	System Implementation	Ch. 13
13	19-Nov	Maintaining Information Systems	Ch. 14
	26-Nov	**Fall Recess**	
14	3-Dec	**Final Exam**	Ch. 10 –14
15	10-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.