



# Lincoln University

## BA 352 – Advanced Systems Analysis and Design

### COURSE SYLLABUS

Spring 2020

**Instructor:** Prof. Miron Yoffe  
**Lecture Schedule:** Saturday, 12:30 PM – 3:15 PM  
**Credits:** 3 units (45 lecture hours)  
**Level:** Mastery 2 (M2)  
**Office Hours:** Saturday 15:30 PM – 16:15 PM  
For additional office hours by appointment  
**e-mail:** [myoffe@lincolnuca.edu](mailto:myoffe@lincolnuca.edu)  
☎ 617-928-1966

#### Assistant to the

**Instructor:** TBD

**Textbook:** **Modern Systems Analysis and Design**

Josef S. Valacich, Joel F. George, 8<sup>th</sup> 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 \*\*\*

**Software:** [Teradata University Database](#)  
[Diagramming Software Lucidchart](#)

**Last Revision:** January 2, 2020

### 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 160 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.

**COURSE LEARNING OUTCOMES<sup>1</sup>**

	<b>Course LO</b>	<b>Program LO</b>	<b>Institutional LO</b>	<b>Assessment</b>
1	Students are expected to develop familiarity with the theoretical and practical side of analysis and design of MIS	PLO 1	ILO 1b, ILO 2b	In-class discussions, in-class and home assignments, quizzes, exams
2	Use theoretical knowledge and advanced problem-solving skills and identify risks	PLO 2	ILO 1b, ILO 2b, ILO 4b	Course project
3	Demonstrate autonomy, creativity, and responsibility in developing project MIS	PLO 4	ILO 4b, ILO 5b, ILO 6b	Course project
4	Demonstrate leadership and set strategic objectives for team performance	PLO 5	ILO 4b, ILO 5b	Course project

**PROCEDURES AND METHODOLOGY**

*This is a direct classroom instruction course.*

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](http://ctl.lincolnuca.edu) 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, analysis and design of an information, transaction or control system. 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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<sup>1</sup> Detailed description of learning outcomes and information about the assessment procedure are available at the [Center for Teaching and Learning](http://ctl.lincolnuca.edu) 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	C-	D+	D	F
Points	94-100	90-93	87-89	84-86	80-83	77-79	74-76	70-72	67-69	60-66	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	40%
Mid-term exam	According to schedule	20%
Final exam	According to schedule	20%
Total		100%

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**

Sessions		Topic	Chapters
#	Date		
1	25-Jan	The System Development Environment	Ch. 1
2	1-Feb	The Origins of Software	Ch. 2
3	8-Feb	Initiating and Planning Systems Development Projects	Ch. 5
4	15-Feb	Determining System Requirements	Ch. 6
5	22-Feb	Structuring System Data Requirements	Ch. 8
6	29-Feb	Designing Databases (I)	Ch. 9
7	7-Mar	Designing Databases (II)	Ch. 9
	14-Mar	<b>Spring Recess</b>	
8	21-Mar	<b>Midterm Exam</b>	Ch. 1 - 9
9	28-Mar	Designing Forms and Reports	Ch. 10
10	4-Apr	Designing Interfaces and Dialogues	Ch. 11
11	11-Apr	Designing Distributed and Internet Systems	Ch. 12
12	18-Apr	System Implementation	Ch. 13
13	25-Apr	Maintaining Information Systems	Ch. 14
14	2-May	<b>Final Exam</b>	Ch. 10 -14
15	9-May	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 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 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.