



# Lincoln University

## BA 160 – Information Systems Concept and Applications COURSE SYLLABUS

Fall, 2023

**Instructor:** Mr. Abhishek Vaidya  
**Lecture Schedule:** Monday, 9:00 AM – 11:45 AM  
**Credits:** 3 units / 45 lecture hours  
**Level:** Mastery 1 (M1)  
**Office Hours:** Before and after class, or by appointment  
E-mail: [abhishek@lincolnuca.edu](mailto:abhishek@lincolnuca.edu)

**Textbooks:** Stair, R & Reynolds G. (2020)  
*Principles of Information Systems*, 14th Edition Course  
Technology; 14 edition  
ISBN-10: 0-357-11241-5  
ISBN-13: 978-0-357-11241-0

*(Previous editions are okay.)*

**Prerequisites:** CS 10  
**Last Revision:** August 10, 2023

### COURSE DESCRIPTION

The course introduces different types of information systems for business, their goals, purposes, values, and major functionality. The emphasis is made on criteria and issues in selection of information system, problem definition, requirements, specifications, information flow and presentation, cost / time estimate, implementation, and maintenance. (3 units)

### COURSE OBJECTIVES

To introduce students to the use and development of management information systems and explore today's leading-edge topics including hardware, systems and application software, telecommunications and networks, the Internet, intranets, and extranets, electronic and mobile commerce, Business Information Systems of different types, systems development process, security, privacy, and ethical issues in Information Systems and the Internet.

### COURSE LEARNING OUTCOMES

Upon completion of this course, students will be able to:

1. Understand the concepts of computer system and its applications
  - a. *Assessment Activities: Assignments, classroom participation, case studies, quizzes/exams*
2. Understand professional, ethical, legal, security, and social issues and responsibilities in the online platform
  - a. *Assessment Activities: Assignments, classroom participation, case studies, quizzes/exams*
3. Understand the impact of computing technologies in a societal context
  - a. *Assessment Activities: Assignments, classroom participation, case studies, quizzes/exams*
4. Analyze various use of computing techniques and tools necessary for businesses
  - a. *Assessment Activities: Assignments, classroom participation, case studies, quizzes/exams*

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

	Course LO	Program LO	Institutional LO	Assessment Activities
	Understand the concepts of computer system and its applications	PLO 1	ILO 1a, ILO 7a	Assignments, classroom participation, case studies, quizzes/exams
	Understand professional, ethical, legal, security, and social issues and responsibilities in the online platform	PLO 5	ILO 3a, ILO 4a	Assignments, classroom participation, case studies, quizzes/exams
	Understand the impact of computing technologies in a societal context	PLO 4	ILO 1a	Assignments, classroom participation, case studies, quizzes/exams
	Analyze various use of computing techniques and tools necessary for businesses	PLO 4	ILO 1a	Assignments, classroom participation, case studies, quizzes/exams

### INSTRUCTIONAL METHODS

This is a direct classroom instruction course. Lecture method is used in combination with group discussions, case studies, and outside readings, as assigned. The emphasis will be on learning by doing. Every student must participate in an intensive classroom activity. Reading, writing, and computer assignments will be given throughout the course. There may be group

<sup>1</sup> Detailed description of learning outcomes and information about the assessment procedure are available at the [Learning Outcomes Assessment](#) section of LU website.

presentations by students on the project assignments during class. Student’s classroom activities will be graded by the level of class participation and attendance.

Assignments and projects 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](http://lincolnuca.libguides.com) website (lincolnuca.libguides.com).

### 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.

### ASSIGNMENTS & QUIZZES

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. Each assignment is due at the beginning of the following class. You can return your assignments electronically if you desire. Late submission of assignments will be assessed a penalty of 10%. Quizzes are based on the lecture and material in the assignment and will take place at the beginning of the course.

### ASSESSMENT

Attendance and classroom activities	every week	10%
Assignments	every week	10%
Quizzes	as scheduled	10%
Mid-term exam	as scheduled	30%
Final exam	as scheduled	40%
Total		100%

There will be no make-up for a missed participation in a classroom activity. No make-up exams will be given unless you have the instructor’s prior approval obtained in person before the exam date, with the exception of an extreme emergency. Late assignments will get no credit or reduced credit. **Cheating or plagiarism will result in an “F” grade.**

### GRADING

Grades will be determined according to the following percentages awarded for completed work:

100-93	92-90	89-87	86-83	82-80	79-77	76-73	72-70	69-67	66-60	59-0
A	A-	B+	B	B-	C+	C	C-	D+	D	F

### CLASSROOM POLICY

- Students are encouraged to participate in group discussions and class activities.
- Students are required to arrive to class on time.
- If a student misses a class, s/he is 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 be silenced.
- Questions and comments during the class are welcome.

**SCHEDULE OF TOPICS**

Please read every chapter of the textbook before you come to class.

<b>Dates</b>	<b>Topics</b>	<b>Chapters</b>
Aug 21	Information Systems: People, Technology, Process and Structure	1
Aug 28	Secure Information Systems	2
Sep 04	Holiday	
Sep 11	Corporate and Individual Accountability: Ethical, Legal and Social Issues	3
Sep 18	Hardware and Software	4
Sep 25	Database Systems and Data Management	5
Oct 02	Business Intelligence: Big Data and Analytics	6
Oct 09	Networks: An Interconnected World	7
Oct 16	Cloud Computing and the Internet of Things	8
<b>Oct 23</b>	<b>Midterm Exam/Project</b>	
Oct 30	E Commerce	9
Nov 06	Enterprise Systems	10
Nov 13	Artificial Intelligence and Automation	11
Nov 20	Strategic Planning and Project Management	12
Nov 27	System Acquisition and Development	13
<b>Dec 04</b>	<b>Finals/Presentation</b>	

**MODIFICATION OF THE SYLLABUS**

The instructor reserves the right to modify this syllabus at any time during the semester. An announcement of any changes will be made in the classroom.