



Lincoln University

BA 160–Information Systems Concept

COURSE SYLLABUS 2018

- Instructor:** Prof. Harpal S. Dhillon, PhD
Lecture Schedule: Saturday, 9:00 AM – 11:45 AM
Credits: 3 units / 45 lecture hours
Level: Developed (D)
Office Hours: Saturday: 3: 30 PM to 4 PM, and by arrangement.
Students are advised to schedule appointments by signing their names on the appointment list which is located in the class web site. Additional guidance regarding scheduling of one-on-one meetings with the professor will be provided in the first class. Students are encouraged to communicate with the professor through e-mail messages.
e-mail: hdhillon@lincolnuca.edu
Phone: (202) 330-2979
- Textbooks:** Principles of Information Systems, 12th Edition
Ralph M. Stair & George Reynolds
ISBN-10: 1285867165 | ISBN-13: 978-1-285-86716-8
Publisher: Cengage-Course Technology (2014)
The study material in the textbook will be supplemented by content posted in the class web site (CANVAS).

Last Revision: January 31, 2018

CATALOG DESCRIPTION

A study of the organization of the system project, project management, and control from the feasibility, definition, design, development, and testing stages to implementation. It uses existing computer programs and student-designed programs. Emphasis is on management use of information systems and measuring the effectiveness of the organization. (3 units)

Prerequisite: CS 10

EDUCATIONAL OBJECTIVES

This course introduces students to the concepts, technology, and the systems development processes related to the creation and effective utilization of information systems in business organizations. The focus of the systems development process (life-cycle) is to create and implement information systems to support critical requirements of a successful business organization in the domains of operations, decision support systems, generic knowledge management, and specialized information acquisition and utilization. To achieve this objective,

the topics covered in this course will include systems hardware, systems software, database management systems, telecommunication and networks, and system development life-cycle. Student will develop real world management information systems for meeting the specified requirements of an organization, in group projects.

In this course, students will learn three basic elements of modern operations management: (i) supply chain management; (ii) product and service design; and (iii) process design and management. Through the textbook, additional materials, and project work, students will become familiar with various industries, and selected products and services.

COURSE LEARNING OUTCOMES¹

After completing this course, students should be able to:

	Course LO	Program LO	Institutional LO	Assessment Activities
1	Create/develop a simple but effective management information system by following a standard systems development life-cycle, and incorporating state-of-the-art information and communication technologies.	PLO 1	ILO 1a, ILO 2a, ILO 3a	Homework, participation in the in-class discussions; video case studies; quizzes; midterm/final exams
2	Apply information technology best practices and methodologies to create information technology solutions	PLO 2	ILO 1a, ILO 6a	Participation in the in-class discussions; video case studies; quizzes; midterm/final exams
	Communicate adequate information systems requirements to the organization's leadership in order to support strategic commitments of the organization	PLO 3	ILO 2a, ILO 7a	Course project presentation, course project report; case studies;
3	Evaluate information systems and enterprise solutions to determine the best fit to facilitate the achievement of organization's strategic outcomes	PLO 4	ILO 1a, ILO 2a, ILO 5a	Course project presentation, course project report; case studies;

¹ 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).

INSTRUCTION PROCEDURE AND METHODOLOGY

This is a direct classroom instruction course.

This class will be conducted interactively in the face-to-face sessions and also on-line. All students will participate in-class discussions, on-line discussions, formal presentations, and in-class exercises. Short oral presentations may also be required in conjunction with homework assignments. Assignments will be given weekly and may consist of textbook exercises and research questions. Students must complete all assignments and take all quizzes, mid-term exam and final exam on the **specified due dates**. Plagiarism will result in the grade “F” and a report to the administration.

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 [Center for Teaching and Learning](http://ctl.lincolnuca.edu) website (ctl.lincolnuca.edu).

TIME SPENT ON OUT-OF-CLASS WORK

The estimated time which a student should spend on out-of-class work/assignments in this course is 6 hours every week (about 90 hours for the course).

ATTENDANCE

Students are expected to attend each class session. If a student cannot attend a class due to a valid reason, the instructor must be informed prior to the class, unless the absence is caused by a last-minute emergency.

CLASS PROJECTS

Project work is designed to familiarize students with an industry, product, or technology of their interest. Projects may be assigned individually, and/or as group projects. For a group project, the grade (score) will be the same for all members. Final deliverable for a group project will be turned in as a hard copy document. All sources of content in a project report must be referenced. APA standard is recommended for formatting and organizing project reports.

EXAMINATIONS

Both, mid-term and final exams will include five questions requiring structure written essay answers.

The essay answers must be written clearly, easy to read, and organized logically with reference to the questions being answered. Graphs, charts, tables, and other supporting illustrations should be inserted in the answers, where appropriate. Examples to illustrate the answers are required. Exams will cover all assigned chapters, and any additional readings or supplementary materials covered in class.

The final exam will cover the textbook chapters and topics assigned during the weeks after the Mid-term exam.

The exams are neither ‘open book’ nor ‘open notes’. The exams will be conducted on-line (in CANVAS) in the class room at Lincoln campus.

GRADING AND SCORING

All activities will be graded according to the guidelines/criteria presented below:

POINT SCORE

In exams, every answer is graded by points from 0 to 100 and the total points for an exam are calculated as the average of the points received for all answers in the exam.

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/Schedule	Percent of Course Grade
Gradable discussions, on-line (CANVAS) and in-class, weekly	Every week	25%
Course Project	Throughout the term	35%
Mid-term exam	In the middle of the term	20%
Final exam	Last week of the term	20%

COURSE GRADE

The points needed for securing a given course grade are shown in the table posted below:

Grade	A	A-	B+	B	B-	C+	C	C-	D+	D	F
Points	94-100	90-93	87-89	83-86	80-82	77-79	73-76	70-72	67-69	60-66	0-59

If both grades for the midterm and final exams are “F” the term grade for the course will be ‘F’ regardless of the grades for the project and classroom activities.

MAKE-UP WORK

Assignments are to be completed on time during the course. Late assignments will result in a reduced grade. Mid-term and final exams and group presentations cannot be made-up if missed, unless there is a documented emergency.

COURSE SCHEDULE

WEEK	DATE	TOPIC/ACTIVITY	CHAPTERS	
			Book	Class
1	Aug. 27	<ul style="list-style-type: none"> • Overview of course objectives and class activities • Introduction to Information Management Systems • Group Project Preview 	1,2	1
2	Sept. 3	Information Systems in Organizations <ul style="list-style-type: none"> • Creation of Project Teams • Selection of Project Topics 	2	2
3	Sept. 10	a) Hardware Devices in Information Systems b) Software in Information Systems <ul style="list-style-type: none"> • Submission of Project Proposals • <i>On-line Discussion 1</i> • <i>In-class Discussion 1</i> 	3 4	3 4
4	Sept. 17	Database Systems & Applications <ul style="list-style-type: none"> • <i>On-line Discussion 2</i> • <i>In-class Discussion</i> 	5	5
5	Sept. 24	Telecommunications & Networks Project Status Review <ul style="list-style-type: none"> • <i>On-line Discussion 3</i> • <i>In-class Discussion 3</i> 	6, 7	6, 7
6	Oct. 1	MID-TERM EXAMINATION	1 to 7	
7	Oct. 8	<ul style="list-style-type: none"> • The Internet, Web, Intranets & Extranets • <i>On-line Discussion 4</i> • <i>In-class Discussion 4</i> 	7, 8	7

8	Oct. 15	Electronic & Mobile Commerce Submission of Project Status Report 1 <ul style="list-style-type: none"> • <i>On-line Discussion 5</i> • <i>In-class Discussion 5</i> 	7, 8	7, 8
9	Oct. 22	a) Enterprise Systems b) Information & Decision Support Systems <ul style="list-style-type: none"> • <i>On-line Discussion 6</i> 	9 10	9 10
10	Oct. 29	a) Knowledge Management Specialized Information Systems b) Work System Design Project Status Review	10, 11	10 11
11	Nov. 5	System Development Life Cycle-1 <ul style="list-style-type: none"> • <i>On-line Discussion 7</i> • <i>In-class Discussion 7</i> 	12, 13	12, 13
12	Nov. 12	System Development Life Cycle-2 Submission of Project Status Report 2 <ul style="list-style-type: none"> • <i>In-class Discussion 8</i> 	12, 13	12, 13
13	Nov. 19	<ul style="list-style-type: none"> • The Personal and Social Impact of Computer/Information Technology • <i>In-class Discussion 9</i> 	14	14
14	Nov. 26	Thanksgiving- No Class		
15	Dec. 3	Course Project Presentation <ul style="list-style-type: none"> • <i>On-line Discussion 8</i> 		
16	Dec. 10	Submission of Final Project Report FINAL EXAMINATION	8 to 14	

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 the classroom.