





Course Specifications

Course Title:	Fundamental of Information Systems
Course Code:	241 CIS-2
Program:	Information Systems
Department:	Information Systems
College:	Computer Science and Information Systems
Institution:	Najran University





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A. Course Identification

1. Credit hours: 2(2,0,0)
2. Course type
a. University College Department $$ Others
b. Required $$ Elective
3. Level/year at which this course is offered: Level 3/Year 2
4. Pre-requisites for this course (if any): N/A
5. Co-requisites for this course (if any): N/A

6. Mode of Instruction (mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	30	100%
2	Blended		
3	E-learning		
4	Correspondence		
5	Other		

7. Actual Learning Hours (based on academic semester)

No	Activity	Learning Hours	
Conta	et Hours		
1	Lecture	30	
2	Laboratory/Studio	0	
3	Tutorial	0	
4	Others (specify)	0	
	Total	30	
Other	Other Learning Hours*		
1	Study	20	
2	Assignments	10	
3	Library	0	
4	Projects/Research Essays/Theses	20	
5	Others (Presentations)	0	
	Total	50	

* The length of time that a learner takes to complete learning activities that lead to achievement of course learning outcomes, such as study time, homework assignments, projects, preparing presentations, library times





B. Course Objectives and Learning Outcomes

1. Course Description

This course is designed to introduce students with a foundational understanding of contemporary information systems (IS) and demonstrate how these information systems are used throughout global organizations. The focus of this course will be on the key components of information systems - people, software, hardware, data, and communication technologies, and how these components can be integrated and managed to create competitive advantage. In addition it offer type of business information systems, including transaction processing systems, management information systems, decision support systems, group support systems, and enterprise resource planning systems. Distinguish among the Internet, Intranets, and Extranets.

2. Course Main Objective

To provide foundation concepts of Information Systems (components, scope, purpose and value of information systems in an organization

3. Course Learning Outcomes

CLOs		Aligned PLOs
1	Knowledge:	
1.1	Describe the role of Information Systems in business function and	<mark>K1</mark>
	process	
1.2	Identify activities involved in designing and developing information	K1
	systems	
1.3	List the components of a computer-based information systems	K1
1.4	Identify the major steps of the systems development process	K1
1.5	Explain how application software can support personal, workgroup, and	K1
	enterprise business objectives	
1.6	Identify the common functions performed by database management	<mark>K1</mark>
	systems	
1.7	Compare traditional business with business supported by information	<mark>K1</mark>
	systems	
2	Skills:	
3	Competence:	

C. Course Content

No	List of Topics	Contact Hours
1	An Introduction to Information Systems	2
2	Information Systems in Organizations	2
3	Hardware: Input, Processing, and Output Devices	2
4	Software: Systems and Applications Software	2

5	Database Systems and Business Intelligence	2
6	Telecommunications and Networks	2
7	The Internet, Intranets, and Extranets	2
8	Electronic and Mobile Commerce	2
9	Enterprise Systems	2
10	Information and Decision Support Systems	2
11	Knowledge Management and Specialized Information Systems	2
12	Systems Development: Investigation and Analysis	2
12	Systems Development: Design, Implementation, Maintenance, And	2
15	Review	2
14	Project	4
	Total	30

D. Teaching and Assessment

1. Alignment of Course Learning Outcomes with Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Teaching Strategies	Assessment Methods
1.0	Knowledge		
1.1	Describe the role of Information Systems in business function and process	Lecture	Quiz Midterm Examination
1.2	Identify activities involved in designing and developing information systems	Lecture	Quiz Midterm Examination Final Examination Project
1.3	List the components of a computer- based information systems	Lecture	Midterm Examination Final Examination Project
1.4	Identify the major steps of the systems development process	Lecture	Midterm Examination Final Examination Project
1.5	Explain how application software can support personal, workgroup, and enterprise business objectives	Lecture	Midterm Examination Final Examination Project
1.6	Identify the common functions performed by database management systems	Lecture	Midterm Examination Final Examination Project
2.0	Skills		
3.0	Competence		

2. Assessment Tasks for Students

#	Assessment task*	Week Due	Percentage of Total Assessment Score
1	Quizzes	4, 8, 10	05%
2	Theory Assignment	4, 8, 11	05%
3	Midterm Exam-I	7	15%
4	Midterm Exam-2	10	15%
5	Project	15	10%
6	Final Examination	16	50%

*Assessment task (i.e., written test, oral test, oral presentation, group project, essay, etc.)

E. Student Academic Counseling and Support

Arrangements for availability of faculty and teaching staff for individual student consultations and academic advice:

- \Box weekly office hours + appointments
- weekly academic advising hours
- \Box Extra weekly 2 office hours prior to exams.

F. Learning Resources and Facilities

1.Learning Resources

Required Textbooks	Principles of Information Systems. A Managerial Approach. 10th Edition ISBN-13: 978-0-538-47829-8
Essential References Materials	 Joseph Valacich and Christoph Schneider: Information Systems Today: Managing in the Digital World, 8th Edition. Principles of Information Systems 14th Edition by Ralph Stair (Author), George Reynolds (Author), 2020. ISBN-13: 978-0357112410 Prentice Hall. Ken Laudon and Jane Laudon (2009): Management Information Systems, 11th edition. Prentice Hall. Information Systems for Business by Belanger, France, Craig Van Slyke and Robert E Crossler. 2nd Edition ISBN#: 9781943153015
Electronic Materials	The Association for Information Systems https://aisnet.org/default.aspx
Other Learning Materials	



2. Facilities Required

Item	Resources
Accommodation (Classrooms, laboratories, demonstration rooms/labs, etc.)	Room Laboratory
Technology Resources (AV, data show, Smart Board, software, etc.)	Data show, PCs.
Other Resources (Specify, e.g. if specific laboratory equipment is required, list requirements or attach a list)	

G. Course Quality Evaluation

Evaluation Areas/Issues	Evaluators	Evaluation Methods
Online course survey	Students	Indirect
Focus group discussion with small groups of students.	Instructor	Direct
Extent of achievement of course learning outcomes	instructor	Direct
Peer consultation on teaching	Faculty	Direct

Evaluation areas (e.g., Effectiveness of teaching and assessment, Extent of achievement of course learning outcomes, Quality of learning resources, etc.)

Evaluators (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify) Assessment Methods (Direct, Indirect)

H. Specification Approval Data

Council / Committee	Department Council
Reference No.	Session No. 10 (441-38-43300)
Date	17/02/2020



