



T-104
2022

Course Specification



Course Title: Information systems and technology
Course Code: 168 CIS -3
Program: information system
Department: computer
College: Applied college
Institution: Najran University
Version: 2
Last Revision Date: 12/2/1445



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A. General information about the course:

Course Identification	
1. Credit hours:	3 (2+1)
2. Course type	
a.	University <input type="checkbox"/> College <input type="checkbox"/> Department <input checked="" type="checkbox"/> Track <input type="checkbox"/> Others <input type="checkbox"/>
b.	Required <input checked="" type="checkbox"/> Elective <input type="checkbox"/>
3. Level/year at which this course is offered: first year third semester	
4. Course general Description The course introduce basic concepts in information technology and its development, hardware and software, the importance of databases, cloud computing, web applications, blogs, the concept of electronic commerce and its tools, types of computerized information systems and blackboard technology	
5. Pre-requirements for this course (if any):	
6. Co- requirements for this course (if any):	
7. Course Main Objective(s) The course aims to introduce students to information technology techniques and to employ these technologies in sectors where operate in different types and forms. It also aims to prepare students functionally to participate in all fields of work related to computer applications.	

1. Teaching mode (mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1.	Traditional classroom	4 hrs per week	
2.	E-learning		
3.	Hybrid <ul style="list-style-type: none"> • Traditional classroom • E-learning 		
4.	Distance learning		



2. Contact Hours (based on the academic semester)

No	Activity	Contact Hours
1.	Lectures	28
2.	Laboratory/Studio	28
3.	Field	
4.	Tutorial	
5.	Others (specify)	
	Total	56

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Code of CLOs aligned with program	Teaching Strategies	Assessment Methods
1.0	Knowledge and understanding			
1.1	Define basic concepts of information systems and technology	K1	Lectures/discussions in forums/seminars	Discussion-based evaluation Practical tests Application duties research
1.2	Understanding and employing technologies in developing the sectors in which they operate in various fields	K2		
1.3	Description of modern applications of information systems and technology	K3		
2.0	Skills			
2.1	Explain how information technology is used in society, business and industry	S1	Discussion and dialogue style / problem solving behavior / scientific statement style /	Tests and assignments



Code	Course Learning Outcomes	Code of CLOs aligned with program	Teaching Strategies	Assessment Methods
2.2	Sumerize information systems and techology basic skills	S2	workshop style / group activities / cooperative education / case study style	
3.0	Values, autonomy, and responsibility			
3.1	The student is committed to work ethics in the work environment	V1	Individual and group activities	Note cards
3.2	The student is Communicates effectively in writing and orally	V2	cooperative education Worksheet	
...				

C. Course Content

No	List of Topics	Contact Hours
1.	Course specification,Fundamentals of IT hardware and software	4
	Practical	4
2.	Databases, their concept, types, characteristics, importance, and digital data warehouses	4
	Practical: Access	4
3	Cloud computing, its concept, impotence and applications	4
	Practical: application of cloud computing in education	4
4	Free Wikis, Blogs, and Rss	4





	Practical: Login to wikis	
	Practical: Add an RSS manually to Outlook	4
5	Computerized information systems, their components, importance and types	4
	Midterm exam	4
6	Distance Learning Technologies Blackboard System	2
	Practical: entering the Blackboard system	2
7	Electronic commerce: its concept and tools	4
	Electronic commerce in the Kingdom of Saudi Arabia	
	Practical: how to use the e-commerce sites	4
	Practical: Applying some global and local e-commerce systems	4
8	review	2
9	Practical exam	2
Total		56

D. Students Assessment Activities

No	Assessment Activities *	Assessment timing (in week no)	Percentage of Total Assessment Score
1.	Assignments	4 , 6	10%
2.	Midterm exam	8	20%
3.	Practical exam	11	20%
4	The final exam	13	50%

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	Introduction to information technology V.Rajaraman, 2018
Supportive References	
Electronic Materials	
Other Learning Materials	





2. Required Facilities and equipment

Items	Resources
facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	A classroom equipped with a projector (image and sound) and a smart board
Technology equipment (projector, smart board, software)	Business automation lab equipped with computers and connected to the Internet
Other equipment (depending on the nature of the specialty)	Electrical connections to use when necessary

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching	students	Questionnaires
Effectiveness of students assessment	Faculty members / quality committee / peer reviewer	Direct observation/peer review/correction of a sample by another member of a similar programmer
Quality of learning resources	Faculty members and leaders/students	Achievement file / typical tests and answers / assessments and assignments / questionnaires
The extent to which CLOs have been achieved	Planning and curricula committee/students/faculty members	Expert pinion /questionnaires/ workshops
Other	Students and faculty members	Questionnaires/note card

Assessor (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify))

Assessment Methods (Direct, Indirect)

G. Specification Approval Data

COUNCIL /COMMITTEE			
REFERENCE NO.			
DATE	12/2/1445		

