



# Course Specification

## (Bachelor)

**Course Title:** : Information systems and technology

**Course Code:** ١٦٨ CIS -٣

**Program:** information system

**Department:** information system

**College:** Applied college

**Institution:** Najran University

**Version:** ٢

**Last Revision Date:** ٣٠/٣/١٤٤٦

## Table of Contents

A. General information about the course: .....	٣
B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods .....	٤
C. Course Content.....	٥
D. Students Assessment Activities .....	٦
E. Learning Resources and Facilities .....	٦
F. Assessment of Course Quality .....	٦
G. Specification Approval.....	٧



## A. General information about the course:

### ١. Course Identification

١. Credit hours: (٣)

#### ٢. Course type

A. ☐ University ☐ College ☒ Department ☐ Track ☐ Others  
B. ☒ Required ☐ Elective

٣. Level/year at which this course is offered: ٤<sup>th</sup> level ٢<sup>nd</sup> year

#### ٤. 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

٥. Pre-requirements for this course (if any):

٦. Co-requisites for this course (if any):

#### ٧. 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.

### ٨. Teaching mode (mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
١	Traditional classroom	٤ hrs per week	
٢	E-learning		
٣	Hybrid <ul style="list-style-type: none"> <li>Traditional classroom</li> <li>E-learning</li> </ul>		
٤	Distance learning		



### ٣. Contact Hours (based on the academic semester)

No	Activity	Contact Hours
١.	Lectures	٢٨
٢.	Laboratory/Studio	٢٨
٣.	Field	
٤.	Tutorial	
٥.	Others (specify)	
Total		٥٦

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

Code	Course Learning Outcomes	Code of PLOs aligned with the program	Teaching Strategies	Assessment Methods
١,٠	Knowledge and understanding			
١,١	Define basic concepts of information systems and technology	K١	Lectures/discussions in forums/seminars	Discussionbased evaluation Practical tests Application duties research
١,٢	Understanding and employing technologies in developing the sectors in which they operate in various fields	K٢		
١,٣	Description of modern applications of information systems and technology	K٣		
٢,٠	Skills			
٢,١	Discussionbased evaluation Practical tests Application duties research	S١	Discussion and dialogue style / problem solving behavior / scientific statement style / workshop style / group activities / cooperative education / case study style	Tests and assignments
٢,٢	Sumerize information systems and techology basic skills	S٢		



Code	Course Learning Outcomes	Code of PLOs aligned with the program	Teaching Strategies	Assessment Methods
٢,٣	Sumerize information systems and techology basic skills	S٢		
٣,٠	Values, autonomy, and responsibility			
٣,١	The student is committed to work ethics in the work environment	V١	Individual and group activities cooperative education Worksheet	Note cards
٣,٢	The student is Communicates effectively in writing and orally	V٢		
...				

### C. Course Content

No	List of Topics	Contact Hours
١.	Course specification,Fundamentals of IT hardware and software	٤
	Practical	٤
٢.	Databases, their concept, types, characteristics, importance, and digital data warehouses	٤
	Practical: Access	٤
٣.	Cloud computing, its concept, importance and applications	٤
	Practical: application of cloud computing in education	٤
٤.	Free Wikis, Blogs, and Rss	٤
	Practical: Login to wikis Practical: Add an RSS manually to Outlook	٤
٥.	Computerized information systems, their components, importance and types	٤
	Midterm exam	٤
٦.	Distance Learning Technologies Blackboard System	٢
	Practical: entering the Blackboard system	٢
٧.	Distance Learning Technologies Blackboard System	٤
	Practical: entering the Blackboard system	٤





٨.	review	٢
٩.	Practical exam	٢
١٠.		
Total		٥٦

## D. Students Assessment Activities

No	Assessment Activities *	Assessment timing (in week no)	Percentage of Total Assessment Score
١.	Assignments	٤,٦	
٢.	Midterm exam	٨	
٣.	Practical exam	١١	
٤.	The final exam	١٣	

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

## E. Learning Resources and Facilities

### ١. References and Learning Resources

Essential References	Introduction to information technology V.Rajaraman, ٢٠١٨
Supportive References	
Electronic Materials	
Other Learning Materials	

### ٢. Required Facilities and equipment

Items	Resources
<b>facilities</b> (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	A classroom equipped with a projector (image and sound) and a smart board
<b>Technology equipment</b> (projector, smart board, software)	Business automation lab equipped with computers and connected to the Internet
<b>Other equipment</b> (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





Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of Students assessment	Faculty members / quality committee / peer reviewer	Faculty members / quality committee / peer reviewer
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 opinion /questionnaires/workshops
Other	Students and faculty members	Questionnaires/note card

**Assessors** (Students, Faculty, Program Leaders, Peer Reviewers, Others (specify))

**Assessment Methods** (Direct, Indirect)

### G. Specification Approval

COUNCIL /COMMITTEE	
REFERENCE NO.	
DATE	

