Course Description - Computer applications 1

1. Course Name:

Computer Applications 1

2. Course Code:

COMA103

3. Semester / Year:

Second semester (spring) / first class / 2023-2024

4. Description Preparation Date:

1/2/2024

5. Available Attendance Forms:

Presence

6. Number of Credit Hours (Total) / Number of Units (Total)

30 hours / 1.5 units

7. Course administrator's name (mention all, if more than one name)

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8. Course Objectives

- Enabling the student to become familiar with the computer, its components, and its uses in agricultural experiments.
- Enabling the student to know and understand computer systems and programs used in analyzes of agricultural experiments.
- Enabling the student to understand and realize modern digital technologies for various agricultural and scientific experiments.
- Providing the student with the skills to deal with types of operating systems.
- Enable the student to disassemble and assemble parts of fixed and laptop computers.
- Enabling the student to use all data input and output devices used to improve agricultural production.

9. Teaching and Learning Strategies

- Interactive lecture
- Brainstorming
- Dialogue and discussion
- Practical exercises
- Self-learning and assigning tasks and reports

10. Course Structure					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	2	A1: The student learns about the concept of computers and their role in the agricultural aspect	Introduction to computers and their importance in our daily lives The concept of computer systems and information technology	Interactive lecture, brainstorming, dialogue and discussion, assigning tasks and reporting	Evaluation of dialogue and discussion, quick questions, assignment of a report
2	2	B1: The student organizes computers according to their features, characteristics, and capabilities	Types of Computers Classifications of private and public computers	Interactive lecture, brainstorming, dialogue and discussion	Quiz, written test, homework
3	2	C1: The student connects the main parts of the motherboard, including the processor, memory, and buses	CPU components Computer Memory Primary Memory	Interactive lecture, brainstorming, dialogue and discussion, assigning tasks and reporting	Dialogue and discussion evaluation, quick questions, practical application
4	2	A2: The student compares the main types of memory (RAM, ROM, and Flash).	Main computer memory RAM, ROM, and flash memory	Interactive lecture, brainstorming, dialogue and discussion	Dialogue and discussion evaluation, Quiz, homework

5	2	A3: The	Cocondo	Trotore -ti-	D: 1
3		student is	Secondary	Interactive	Dialogue
		familiar with	computer	lecture,	and.
		the most	memory / Part	brainstorming,	discussion
		important	One Internal static	dialogue and	evaluation,
		characteristics	Internal, static	discussion +	quick
			and external	scientific visit	questions,
		of stationary disks	hard disks		Semester
					exam 1
		compared to			
		hard disks and			
6	2	external disks	C	T	
0		B2: The	Secondary	Interactive	Dialogue
		student	computer	lecture,	and
		documents the	memory / Part	brainstorming,	discussion
		types of	Two	dialogue and	evaluation,
		optical discs	Optical discs	discussion,	Quiz
		and the	and cloud	assigning tasks	homework
		advantages of	storage	and reporting	
	_	each type			- 11 an 166 31/
/	2	D1: The	Computer input	Interactive	Dialogue
		student	units	lecture,	and
		analyzes the	Types of code	brainstorming,	discussion
		input units in	readers	dialogue and	evaluation,
		the computer	Audio and	discussion	quick
		to employ	visual input		questions,
*2		them in	units		practical
		supporting the			application
		agricultural			
		field			
8	2	D2: The	Computer	Interactive	Quiz,
		student	output units	lecture,	written test,
		employs	Image, audio	brainstorming,	homework
		computer	and text display	dialogue and	
		output	units	discussion	
		techniques to			
		display			
		agricultural			
		data and			
		results			
9	2	C2: The	The concept of	Interactive	Dialogue
		student	software and its	lecture,	and
		chooses the	types	brainstorming,	discussion

		best	Crretome	dialagua	1
		application	Systems	dialogue and	evaluation,
		software to	software and	discussion,	quick
		support work	application software	assigning tasks	questions,
		in the	Solitivale	and reporting	practical
		agricultural			application
		field			
10	2	A4: The	Windows	Intoroctivo	Dialogue
		student learns	operating	Interactive lecture,	Dialogue
		about the	system	brainstorming,	discussion
		Windows	Desktop		discussion
		operating	shortcut menu	dialogue and discussion +	evaluation,
		system and	and PC icon	scientific visit	semester
		how to benefit	and FC ICON	Scientific visit	exam 2,
		from it			homework
11	2	A5: The	Shortlists	Intonoctive	Dial - Luis
11		student sorts	Lists of folders	Interactive	Dialogue
		the available	and files	lecture,	and
		choices into	and mes	brainstorming,	discussion
		the desktop		dialogue and	evaluation,
		and PC		discussion	quick
		shortcut			questions,
					practical
12	2	menus B3: The	Tackban Dant 1	Intonoctive	application
12		student	Taskbar Part 1	Interactive	Quiz,
		extracts the	Time, date and	lecture,	written test,
			language	brainstorming,	homework
		important abbreviations	settings	dialogue and	
		included in the		discussion	
		time, date, and			
		language			
13	2	settings B4: The	Tool-box Dant	T4	
13		student	Taskbar Part	Interactive	Evaluation
		7.4E(X)	Two	lecture,	of dialogue
		determines	Communication	brainstorming,	and
		the options available to	and security	dialogue and	discussion,
			settings	discussion,	quick
		ensure		assigning tasks	questions,
		protection	*	and reporting	assignment
		while the			of a report
		computer is			
		connected to			

		the network				
14		C3: The student analyzes the research methods available on the computer and uses them in designing reports	Taskbar menus and shortcuts Part 1 Search menus and design windows	brains dialog	ractive ture, torming, gue and ussion	Dialogue and discussion evaluation, Quiz, homework
15	2	A6: The student classifies incoming notifications according to their source from the network, security, and applications	Taskbar menus and shortcuts Part 2 Notification lists	brains dialog	ractive ture, torming, gue and ussion	Dialogue and discussion evaluation, quick questions
11.	Course	Evaluation				
11. Seq.	T	Evaluation ion methods	Evaluation date (w	eek)	Degree	Relative weight %
	T	ion methods	Evaluation date (w Week 1	eek)	Degree 1	Relative weight %
	Evaluat Report Report	ion methods		eek)	Degree 1	1
	Evaluat Report Quiz 1	ion methods	Week 1 Week 13 Week 2	eek)	Degree 1 1 2	1
	Evaluat Report Quiz 1 Quiz 2	ion methods	Week 1 Week 13 Week 2 Week 4	eek)	Degree 1 1 2 2	1
Seq. 1 2 3 4 5	Report Report Quiz 1 Quiz 2 Quiz 3	ion methods	Week 1 Week 13 Week 2 Week 4 Week 6	eek)	1 2 2 2	weight % 1 2 2 2
Seq. 1 2 3 4 5	Evaluat Report Quiz 1 Quiz 2 Quiz 3 Quiz 4	ion methods	Week 1 Week 13 Week 2 Week 4 Week 6 Week 8	eek)	Degree 1 2 2 2 2 2	1
Seq. 1 2 3 4 5 6 7	Report Report Quiz 1 Quiz 2 Quiz 3 Quiz 4 Quiz 5	ion methods	Week 1 Week 13 Week 2 Week 4 Week 6 Week 8 Week 12	eek)	1 2 2 2	weight % 1 2 2 2
Seq. 1 2 3 4 5 6 7 8	Evaluat Report Quiz 1 Quiz 2 Quiz 3 Quiz 4 Quiz 5 Quiz 5 Quiz 6	ion methods 1 2	Week 1 Week 13 Week 2 Week 4 Week 6 Week 8 Week 12 Week 14	eek)	1 2 2 2 2 2 2	weight % 1 1 2 2 2 2 2 2 2
Seq. 1 2 3 4 5 6 7 8 9	Evaluat Report Quiz 1 Quiz 2 Quiz 3 Quiz 3 Quiz 4 Quiz 5 Quiz 5 Practica	ion methods 1 2 al application 1	Week 1 Week 13 Week 2 Week 4 Week 6 Week 8 Week 12 Week 14 Week 3	eek)	1 2 2 2 2 2 2 2 2 1.5	weight % 1 1 2 2 2 2 2 1.5
Seq. 1 2 3 4 5 6 7 8 9 10	Report Report Quiz 1 Quiz 2 Quiz 3 Quiz 4 Quiz 5 Quiz 5 Practica Practica	ion methods 1 2 al application 1 al application 2	Week 1 Week 13 Week 2 Week 4 Week 6 Week 8 Week 12 Week 14 Week 3 Week 7	eek)	1 1 2 2 2 2 2 2 2 1.5 1.5	weight % 1 1 2 2 2 2 1.5 1.5
Seq. 1 2 3 4 5 6 7 8 9 10 11	Evaluate Report Report Quiz 1 Quiz 2 Quiz 3 Quiz 4 Quiz 5 Quiz 6 Practica Practica Practica	ion methods 1 2 al application 1 al application 2 al application 3	Week 1 Week 13 Week 2 Week 4 Week 6 Week 8 Week 12 Week 14 Week 3 Week 7 Week 9	eek)	1 1 2 2 2 2 2 2 2 1.5 1.5	weight % 1 1 2 2 2 2 1.5 1.5 1.5
Seq. 1 2 3 4 5 6 7 8 9 10 11 12	Report Report Quiz 1 Quiz 2 Quiz 3 Quiz 4 Quiz 5 Quiz 5 Practica Practica Practica Practica	ion methods 1 2 al application 1 al application 2 al application 3 al application 4	Week 1 Week 13 Week 2 Week 4 Week 6 Week 8 Week 12 Week 14 Week 3 Week 7 Week 9 Week 11	eek)	1 1 2 2 2 2 2 2 2 1.5 1.5	weight % 1 1 2 2 2 2 1.5 1.5 1.5 1.5
Seq. 1 2 3 4 5 6 7 8 9 10 11 12 13	Report Report Quiz 1 Quiz 2 Quiz 3 Quiz 4 Quiz 5 Quiz 5 Practica Practica Practica Practica Semeste	ion methods 1 2 al application 1 al application 2 al application 3 al application 4 er exam 1	Week 1 Week 13 Week 2 Week 4 Week 6 Week 8 Week 12 Week 14 Week 3 Week 7 Week 9 Week 11 Week 5	eek)	1 1 2 2 2 2 2 2 2 1.5 1.5	weight % 1 1 2 2 2 2 1.5 1.5 1.5 1.5
Seq. 1 2 3 4 5 6 7 8 9 10 11 12	Report Report Quiz 1 Quiz 2 Quiz 3 Quiz 4 Quiz 5 Quiz 5 Practica Practica Practica Semeste Semeste	ion methods 1 2 al application 1 al application 2 al application 3 al application 4	Week 1 Week 13 Week 2 Week 4 Week 6 Week 8 Week 12 Week 14 Week 3 Week 7 Week 9 Week 11	eek)	1 1 2 2 2 2 2 2 2 1.5 1.5	weight % 1 1 2 2 2 2 1.5 1.5 1.5 1.5

12. Learning and Teaching Resources				
Required textbooks (curricular books, if any	The Lectures was prepared by computer lectures at the college based on several approved books			
Main references (sources)	 Fundamental ideas of computer science Resource usage of windows computer laboratories Defining computer program parts 			
Recommended books and references (scientific journals, reports)	Introduction to computers (computer basics), prepared by: Abdullah Al-Shahrani			
Electronic References, Websites	 https://www.dawliatraining.com/training-packages-single/1025 https://edu.gcfglobal.org/en/tr_armisc/what-is-a-computer-/1/ https://www.edraak.org/programs/course-v1:Edraak+ICDL1+2019SP/ 			

Instructor

Omar Shamil Ahmed

Chairman of the scientific committee

Prof. Dr. Moafak mahmood ahmed

Head of the department of Food science

Prof. Dr. Sumiya halaf badawi