

Republic of Iraq

Ministry of Higher Education
and Scientific Research

Scientific Supervision and
Evaluation Authority



University name: Diyala

College Name: Agriculture

Department Name: Field Crops

Stage: First

Full name of lecturer: Lec. Dr. Akeel
Ibrahim Mustaf

Academic title: Teacher

Academic qualification: PhD

Work Place: Faculty of Agriculture

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the name	Dr. Akeel Ibrahim Mustaf Ali				
e-mail	Akeelbdrany@uodiyala.edu.iq				
Name of the material	Computer (Part One)				
Semester Schedule	Computer Applications and Artificial Intelligence1				
Subject objectives	The student should be familiar with the concept of basic computer applications. Artificial intelligence and its various applications in various fields of work and study.				
Basic details of the material	First year –second stage / Bologna process				
Textbooks	1. Graham Brown, David Watson, "Cambridge IGCSE Information and Communication Technology", 3rd Edition (2020) 2. Al-Khader Ali Al-Khader Researcher "Computer Basics" 2016 3. Dr. Adel Abdel Nour, "Introduction to the World of Artificial Intelligence"2005				
External sources	Internet				
Chapter Estimates	Semester (Monthly Exams)	The laboratory	Daily exams	The project	Final Exam
	20%	15%	5%	10%	50%
Additional information					

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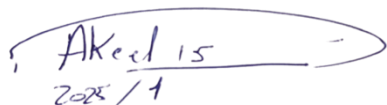


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Subject lesson plan form

The week	the date	Theoretical material	Practical material	Notes
1	19/2/2025	Introduction to Computer: Hardware, software and components concepts; Concept of computing, data and information; Linking input, output and peripheral devices to the CPU	Presenting theoretical concepts through browsing the Internet and working on computers in the laboratory.	
2	2/26/2025	Computer Components: Computer Parts, Hardware Parts, Input and Output Units, Memory Types	Presenting theoretical concepts through browsing the Internet and working on computers in the laboratory.	
3	5/3/2025	Computer Components (Continued): Basic CPU Components, Computer Ports, Personal Computer (Features and Types)	Presenting theoretical concepts through browsing the Internet and working on computers in the laboratory.	
4	12/3/2025	Operating System and GUI: Operating System; Basics of Common Operating Systems; User Interface, Use of Mouse Techniques	Presenting theoretical concepts through browsing the Internet and working on computers in the laboratory.	
5	19/3/2025	Operating system and graphical user interface: use of common icons, status bar, use of menu and menu selection, concept of folders and directories, opening and closing different windows; creating shortcuts.	Presenting theoretical concepts through browsing the Internet and working on computers in the laboratory.	
6	3/26/2025	Word Processing: Word processing basics; basic features of word processors; opening and closing documents; creating and manipulating text; formatting text and paragraphs; using templates to create documents.	Presenting theoretical concepts through browsing the Internet and working on computers in the laboratory.	
7	2/4/2025	Word Processing (continued): Creating and managing tables, using styles and themes, spelling and grammar checking tools, using headers and footers	Presenting theoretical concepts through browsing the Internet and working on computers in the laboratory.	
8	9/4/2025	Spreadsheets: Introduction to spreadsheet programs, creating and formatting worksheets. Sorting and filtering data, using and filtering formulas, using formulas and functions.	Presenting theoretical concepts through browsing the Internet and working on computers in the laboratory.	
9	4/16/2025	Spreadsheets (continued): Using formulas	Presenting theoretical concepts	

		and functions, Using pivot tables to analyze data, Validating data and checking for errors, Visualizing data: Creating charts and graphs.	through browsing the Internet and working on computers in the laboratory.	
10	4/23/2025	Presentation Software: Introduction to presentation software, overview of common presentation tools, creating a new presentation, using templates and themes, inserting and formatting text and images, transition effects and animations.	Presenting theoretical concepts through browsing the Internet and working on computers in the laboratory.	
11	4/30/2025	Presentation Software (continued): Using speaker notes and timers, Advanced features: hyperlinks and action buttons, Troubleshooting common presentation problems, Future trends in presentation technology.	Presenting theoretical concepts through browsing the Internet and working on computers in the laboratory.	
12	7/5/2025	Introduction to the Internet and Web Browsers: Basic Computer Networks; Local Area Network, Wide Area Network; Internet Concept and Applications; Internet Connection.	Presenting theoretical concepts through browsing the Internet and working on computers in the laboratory.	
13	14/5/2025	Introduction to the Internet and Web Browsers (continued): World Wide Web; Web Browsers; Search Engines; Understanding URLs; Domain Name; IP Address.	Presenting theoretical concepts through browsing the Internet and working on computers in the laboratory.	
14	21/5/2025	Communications and Email: Email basics; Getting an email account; Sending and receiving email; Accessing sent email; Using email; Collaborating on documents.	Presenting theoretical concepts through browsing the Internet and working on computers in the laboratory.	
15	5/28/2025	Introduction to Cloud Computing and Services: Definition and Concept of Cloud Computing, GroupsCloud-based Office (Office 365 and Google Workspace), Google Docs, Google Sheets, Google Drive, and Google Meet.	Presenting theoretical concepts through browsing the Internet and working on computers in the laboratory.	


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Instructor Signature
Dr. Akeel Ibrahim Mustafa

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Prof. Dr. Raaed Ibrahim Khalil

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