

Course Description Form

1. Course name	
Computer / Second Stage	
2. Course code	
SESS26F2091	
3. Semester/Year	
2025-2026	
4. Date this description was prepared	
February/ 2026	
5. Available forms of attendance	
In-person/theoretical and practical	
6. Number of study hours (total) / Number of units (total)	
2 hour per week / 2 units	
7. Name of the course supervisor (if more than one name is mentioned)	
Lecturer. Zeiad Yahya Ali Allawee	zead77@uomosul.edu.iq
Lecturer. Rehab Joko Hussein	rehab@uomosul.edu.iq
Assist. Lecturer. Esra Zuhair Majeed	esra.zuhair87@uomosul.edu.iq
Assist. Lecturer. Arwa Salim Abd	arwa.alnjar1978@uomosul.edu.iq
Assist. Lecturer. Saif Khalid Jarallah	saif.al.saaty@uomosul.edu.iq
Assist. Lecturer. Ghazwan Mohammed	ghazwan.mohammed@uomosul.edu.iq
8. Course objectives	
Course objectives	1. At the end of the course, students should be able to define: Types of data inside the computer, how to store and handle it, and getting to know the Microsoft Excel 2010 application and how to create and apply ready-made functions. 2. to learn students What is it Networks And its security And trade Electronic And importance Artificial intelligence that led to Evolution Fast in Industry And its impact on the society including Presented by from Services no confinement she has. 3. knowledge Networks computer and its uses. 4. possibility Use Applications Intelligence Industrial For events effect positive Effective in teaching Materials Scientific Different(Theory The process), This It is considered the goal basis For college To graduate school(Education In a way general And education Sports In a

way private).

5. development to think The student around Technology Modern used from Okay development Sports and skills athlete, Please on concept Education Modern that Take off from capacity Educational on Use Applications Intelligence Industrial that Raise from ability on the focus And the note I have The student.
6. employment Applications Intelligence Industrial in field Educational And the athlete

9. Teaching and learning strategies

Strategy

Learning and teaching strategies in faculties of physical education and sports sciences are diverse, encompassing both theoretical and practical aspects, and aim to develop students' knowledge and computer skills.

These strategies typically include:

1. Student-centered methods (Student-Centered Strategies):

- **Cooperative learning (Cooperative Learning):** Students work in small groups to achieve a common goal, which promotes mutual responsibility and positive interaction.
- **Problem solving (Problem Solving):** Presenting problems that require students to apply prior concepts and knowledge to arrive at solutions, which encourages critical and creative thinking.
- **Directed discovery (Guided Discovery):** Directing students to discover skills or concepts on their own through a series of questions or tasks, rather than direct instruction.
- **Peer tutoring (Peer Teaching):** Students in each group exchange information with each other under the supervision of the teacher, which enhances their understanding of the subject and develops their leadership and teaching skills.
- **Self-learning (Self-Instruction/Self-Check):** It allows the student to rely on himself in learning and evaluate his performance against a specific standard to improve it.

2. Applied and practical methods (Practical and Experimental Strategies):

- **Practical learning (Practical Learning Method):** It is the most common method of learning computer skills, and includes the use of basic computer applications.
- **Simulation (Simulation):** Simulate mobile applications to understand similarities and differences.

3. Traditional and modern methods (Traditional and Modern Strategies):

- **Lectures (Lectures):** Used to convey theoretical knowledge and scientific concepts.
- **Interactive education (Interactive Teaching):** Encourage interaction between professor and students through discussions and questions.

Technology integration (Technology Integration): Using modern technologies such as interactive whiteboards, as well as electronic platforms and educational applications.

10.Course structure

week	hours	Required learning outcomes	Name of the unit or topic	Learning method	Evaluation method
1	2 hours	Introduction to computer data storage systems and Storage capacity units Explain the types of number systems used to represent data inside the computer.	Chapter One / Introduction to computer data and computer storage units, and number systems	Delivering the lecture using the smart board and discussion	Group Assessment
2	2 hours	Explaining how data is represented in the computer in its various forms: numerical, textual, graphic, audio, and video.	Chapter One / Data Representation in Computers, Data Types	Delivering the lecture using the smart board and discussion	Group Assessment
3	2 hours	Explaining arithmetic operations and their precedence, logical operations and their precedence, how to represent them, and giving various examples on the topics.	Chapter One / Precedence of Arithmetic Operations, Various Examples of Operational Precedence, Logical Operations	Delivering the lecture using the smart board and discussion	Group Assessment
4	2 hours	Explain relational operations, how to represent them, and how to link them with logical operations.	Chapter One / Relational Operations, Examples on Operations Relational with Operations logical	Delivering the lecture using the smart board and discussion	Group Assessment
5	2 hours	First semester theoretical exam / 1			
6	2 hours	Explanation of Microsoft Office 2019 applications, introduction to Excel, program interface, main window.	Chapter Two / Microsoft Excel 2019	Delivering the lecture using the smart board and discussion	Group Assessment
7	2 hours	A detailed explanation and clarification of worksheets in the Excel application and	Chapter Two / Worksheets, Operations on	Delivering the lecture using the	Group Assessment

		how to deal with them, an explanation of operations on worksheet cells	Worksheet Cells	smart board and discussion	
8	2 hours	A detailed explanation of all the commands in the File tab in Microsoft Excel 2019.	Chapter Two / File Tabulation	Delivering the lecture using the smart board and discussion	Group Assessment
9	2 hours	Explanation and application of the clipboard group, line, alignment and number.	Chapter Two / Main Ribbon Tab.	Delivering the lecture using the smart board and discussion	Group Assessment
10	2 hours	Explanation and application of the styles group and how to perform conditional formatting, a cell group and an editing group	Chapter Two / Main Ribbon Tab.	Delivering the lecture using the smart board and discussion	Group Assessment
11	2 hours	First Semester Practical Exam/1			
12	2 hours	Explanation and application of the worksheet options group, the function library group, and how to insert a function from the Formulas tab.	Chapter Two / Page Layout Tab, Formulas Tab	Delivering the lecture using the smart board and discussion	Group Assessment
13	2 hours	Explanation and application of a group of functions, including the conditional functionIFWith examples and application	Chapter Two / Formula Tabulation, Using Functions	Delivering the lecture using the smart board and discussion	Group Assessment
14	2 hours	Explanation and application of the multiple conditional function and the function Countif() and other functions	Chapter Two / Formulas Tabulation, Using Functions	Delivering the lecture using the smart board and discussion	Group Assessment
15	2 hours	First Semester Practical Exam /2			
Mid-year holiday					
16	2 hours	Understand the meaning of network, what is meant by	Chapter Three / Security and	Delivering the lecture	Group Assessment

		security, and explain the types of networks.	Networks, What is a Network, Types of Networks	using the smart board and discussion	
17	2 hours	Learn about the types of networks, the differences between them, and understand the basic components of a network.	Chapter Three / Types of Networks, Basic Network Components	Delivering the lecture using the smart board and discussion	Group Assessment
18	2 hours	Learn the basics of network security and how to secure devices and networks.	Chapter Three / Network Security Basics	Delivering the lecture using the smart board and discussion	Group Assessment
19	2 hours	An explanation of the most prominent threats facing the network and how to deal with them.	Chapter Three / Understanding Network Threats	Delivering the lecture using the smart board and discussion	Group Assessment
20	2 hours	Understand how to troubleshoot network errors and how to avoid and resolve these errors.	Chapter Three / Network Troubleshooting	Delivering the lecture using the smart board and discussion	Group Assessment
21	2 hours	Second Semester theoretical exam / 1			
22	2 hours	Understanding the meaning of e-commerce and online banking concepts	Chapter Four / E-commerce	Delivering the lecture using the smart board and discussion	Group Assessment
23	2 hours	Understanding the meaning of ATM, learning about the different types of ATMs	Chapter Four / ATMs	Delivering the lecture using the smart board and discussion	Group Assessment
24	2 hours	Learn about the main services provided by ATMs and what are the benefits of these machines.	Chapter Four / ATMs	Delivering the lecture using the smart board and	Group Assessment

				discussion	
25	2 hours	Learn about the meaning of a debit card, its function, and the main services it provides.	Chapter Four / Debit Cards	Delivering the lecture using the smart board and discussion	Group Assessment
26	2 hours	Explain and understand the relationship between ATMs and debit cards, along with the security considerations that must be taken into account.	Chapter Four / The Relationship Between ATMs and Debit Cards, Security Considerations	Delivering the lecture using the smart board and discussion	Group Assessment
27	2 hours	Learn how to detect errors and find appropriate solutions for them	Chapter Five / Computer Troubleshooting	Delivering the lecture using the smart board and discussion	Group Assessment
28	2 hours	Learn about the most important problems facing computers and the solutions to these problems, as well as the most important problems facing computer programs and the solutions to these problems.	Chapter Five / Hardware Problems, Software Problems	Delivering the lecture using the smart board and discussion	Group Assessment
29	2 hours	Learn the most important and best practices to avoid problems and how to apply them.	Chapter Five / Best Practices to Avoid Problems	Delivering the lecture using the smart board and discussion	Group Assessment
30	2 hours	Second Semester theoretical exam / 2			

11. Course Evaluation

The grade is distributed as follows:

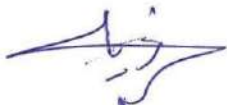
1. Mid-course exam, which is (25) degree.
2. End of course exam which is (25) degree.
3. Final exam academic year And it is from (50) degree.

12. Learning and teaching resources

Required textbooks (methodology if any)	- Introduction to computers, their development, computer systems and applications. And modern technology used in the sports field.
Main References (Sources)	- Windows10, Mohammed Abu Al-Ula - Complete in to learn Microsoft Word2019, badge Al-Khaza'i And Wael Crazy - Your way To learn Microsoft PowerPoint2019, badge Al-Khaza'i
Recommended supporting books and references (scientific journals, reports...)	- Computer, Windows 10, Office applications, technology - Modern in the sports field.
Electronic references, websites	-Education and Training Technology athlete, What have you achieved??, Report by Ashrakat Al Sayed, 2022, EdTech Arabia. - Wikipedia website

Name and signature of the course holder:

Lecturer. Zeiad Yahya Ali Allawee



Lecturer. Rehab Joko Hussein



Assist. Lecturer. Esra Zuhair Majeed



Assist. Lecturer. arwa Salim Abd



Assist. Lecturer. Saif Khalid Jarallah



Assist. Lecturer. ghazwan.mohammed



Name and signature of the head of the department or branch

Prof. Dr. Nawfal Fadel Rashid

