1.Course Name:

Computer Science 1

2.Course Code:

WNR-11-06

3.Semester / Year:

First Stage/First Semester

4.Description Preparation Date:

1/10/2024

5.Available Attendance Forms:

In-person lectures (attendance forms)

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

1 Theoretical \Number of Credits (1)

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

Name: Hussein Kadhim Hussein
Email: Hussein.Ka@uowa.edu.iq

8.Course Objectives

This course equips students with:

1.A fundamental understanding of computer science concepts, including hardware, software, operating systems, and the basics of networking and cybersecurity.

2.Knowledge of e-commerce services, especially electronic banking, and an introduction to artificial intelligence (AI), its history, types, and everyday applications.

3.Practical skills in using desktop operating systems (e.g., Windows), Microsoft Office applications, internet browsing, academic research, and basic computer troubleshooting.

4.The ability to operate and analyze AI-based applications on smart devices and apply AI concepts in real-world scenarios.

5.Awareness of ethical, legal, and security issues related to digital technology and AI, including digital privacy, discrimination, control, and monitoring.

6.Development of critical thinking, digital collaboration, responsible technology use, and proactive problem-solving skills to enhance quality of life and professional practices.

9.Teaching and Learning Strategies

Strategy	•Theoretical Lectures. Discussions. Reports

13. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method

1	1 theoretical hour	Introduce the concept of computers, their evolution, and importance in daily life	Computer Basics – Role of Computers – Device Evolution	Lecture + Vis Presentation	Written Test + In-Cl Activity
2	1 theoretical hour	Distinguish between data and information; understand components of the computer	Electronic Computers – Data & Information – Components	Lecture + Visual Presentation	Written Test + In-Class Activity
3	1 theoretical hour	Distinguish different types of computers and their uses	Types of Computers	Lecture + Visual Presentation	Written Test + In-Class Activity
4	1 theoretical hour	Understand number systems and the limitations/advantages of computers	Number Systems – Personal Computers – Advantages	Lecture + Visual Presentation	Written Test + In-Class Activity
5	1 theoretical hour	Understand computer security and user privac	Computer Security – Digital Ethics – User Privacy	Lecture + Visual Presentation	Written Test + In-Class Activity
6	1 theoretical hour	Recognize protection tools and intellectual property concepts	Protection Software – Types – Intellectual Property	Lecture + Visual Presentation	Written Test + In-Class Activity
7	1 theoretical hour	Identify cyberattacks and methods of protection	Hacking – Sources – Types – Risks	Lecture + Visual Presentation	Written Test + In-Class Activity
9	1 theoret hour	Apply protection steps and understand health effects of computer use	Protection Steps – Health Effects	Lecture + Visual Presentation	Written Test + In-Class Activity
10	1 theoret hour	Understand functions and types of operating systems	Operating Systems – Functions – Types	Lecture + Visual Presentation	Written Test + In-Class Activity

11	1 theoret hour	Identify applications of AI in various fields	AI Applications	Lecture + Cas Study	Written Test + Presentat
12	1 theoret hour	Explain the impact of AI on society and global relations	AI and Society	Class Discussion + Video	Class Participation + Report

10.Course Evaluation

Evaluation				Score standard
Formative		**Summative**		-Excellent (90-100) -Very Good (80-less than 90) -Good (70-less than 80) -Fair (60-less than 70) -Acceptable (50-less than 60) - Fail (less than 50)
Scores	**Evaluation methods**	**Scores**	**Evaluation methods**	
5%	Quizzes	10%	First-Mid-term exam	
5%	Participation	10%	Second-midterm exam	
		70%	Final theoretical exam	
10%		90%		

11.Learning and Teaching Resources

Required textbooks (curricular boo if any)	-Graham Brown, David Watson, Cambridge Information Technology, 3rd Edition (2020) • Alan Evans, Kendall Martin, Mary Anne Poatsy, Technology In Action Complete, 16th Edition (2020) • Ahmed Banafa, Introduction to Artificial Intelligence (AI), 1st Edition (2024) • Curtis Frye & Lamb, Microsoft Office 2019 Step by Step • Dr. Adel Abdulnoor, Introduction to the World of AI, 5th Editio
Main references (sources)	Windows 7 Office 2010
Recommended books and references (scientific journals, reports...)	• Introduction to Computers and the Internet, 5th Edition
Electronic References, Websites	- https://www.kutub.info/library