Ministry of Higher Education and Scientific Research
University of Warith Al-Anbiyaa
College of Administration and Economics
Department of Health Institutions Management

Course Syllabus





1. Course Title:	
Computer Science	
2. Course Code:	
3. Semester / Year:	
First Semester / Second Stage / Academic Year 2026–2027	
4. Date of Description Preparation:	
September 19, 2025	
5. Attendance Modes:	
Morning – Evening	
6. Total Study Hours / Units:	
30hours / 2 units	
7. Course Instructor:	
Name: Hasanen Sahib Mohammed	Email: hasanain.sahib@uowa.edu.iq
8. Course Objectives	
Knowledge Objectives • Define basic computer concepts and terminology. • Explain the relationship between hardware and software. • Differentiate between data and information. • Analyze the components of operating systems and application programs. **Skill Objectives** • Prepare structured academic reports using word-processing software. • Deliver oral and written presentations using presentation software. • Apply internet and email skills for research and communication. • Participate effectively in class discussions and collaborative activities. **Value Objectives** • Demonstrate ethical values in the use of technology for the benefit of society.	

• Respect diversity and differences of opinion within a positive classroom environment. • Contribute to community and awareness activities through the use of technology. • Practice self-criticism and reflection in light of academic values.	

9. Teaching and Learning Strategies

Teaching and Learning Strategies

1. Interactive lectures to present theoretical concepts of computers.
2. Practical workshops on programs such as (Word, PowerPoint, Internet, Email).
3. Group projects to prepare reports or short presentations.
4. Individual research assignments on topics such as *Cloud Computing.*

Note:
A combination of the following strategies can be mentioned depending on the course:

• Using interactive lectures to present theoretical concepts in …… while engaging students in discussions and motivational questions.
• Employing blended learning by combining classroom lectures with online activities or digital content, including recorded recitations, digital lectures, virtual discussions, and online assessments.
• Guiding students to read essential references from …… books and analyze them within coursework to enhance deep understanding.
• Assigning students presentations on selected topics from …… to develop summarization, explanation, and communication skills.
• Conducting practical workshops in …… to provide opportunities for practicing research and applied skills.
• Enhancing collaborative learning through group projects or organized interpretive discussions to develop dialogue and teamwork skills.
• Assigning students individual or group research projects on topics of …… using scientific methodology and academic documentation.
• Training students on analytical and writing exercises that require deriving concepts and meanings and linking them to real-life situations.
• Conducting discussions based on Qur'anic values.
• Engaging students in community service activities related to the Holy Qur'an, such as education or awareness, to strengthen the practical impact of knowledge in society.
• Encouraging self-reflection by writing personal reflections that connect what the student has learned with their behavior or attitudes in life.

10. Course Structure

Week	Hours	Intended Learning Outcomes	Unit / Topic	Learning Method	Assessment Method
1	2-3	Familiarize with the course and its objectives	Introduction to Computer Science	Lecture + Discussion	Preparation
2	2-3	Understand principles of networks	Network Basics	Lecture + Exercise	Preparation
3	2-3	Learn about networks	Computer Networks	Lecture	Preparation
4	2-3	Methods of protection from digital intrusions	Cybersecurity	Lecture + Exercise	Homework
5	2-3	Practical application	Microsoft Excel	Lecture + Practical Exercise	Test
6	2-3	Practical application	Microsoft Excel	Lecture + Practical Exercise	Preparation
7	2-3	Practical application	Microsoft Excel	Lecture + Discussion	Assignment
8	2-3	E-banking services	E-Commerce	Lecture + Exercise	Preparation
9	2-3	E-banking services	E-Commerce	Lecture	Short Quiz
10	2-3	Common hardware problems and solutions	Computer Troubleshooting	Lecture	Preparation
11	2-3	Common hardware problems and solutions	Computer Troubleshooting	Discussion + Presentations	Student Presentation
12	2-3	Understand principles of artificial intelligence	Artificial Intelligence	Lecture	Preparation
13	2-3	Examples of artificial intelligence	Artificial Intelligence	Lecture	Report
14	2-3	Review	General Course Review	Discussion	Midterm Exam
15	2-3	Final assessment	Final Exam	Written	Exam

11. Course Evaluation

- - Daily preparation and class participation: 10 marks
- - Quizzes: 10 marks
- - Reports and assignments: 10 marks
- - Midterm exam: 20 marks
- - Final exam: 50 marks

• - Total: 100 marks	
12. Learning and Teaching Resources	
1-Graham Brown, David Watson, "Cambridge IGCSE Information and Communication Technology", 3rd Edition (2020) 2- FunAlan Evans, Kendall Martin, Mary Anne Poatsy, "Technology In Action Complete", 16th Edition (2020). 3- Ahmed Banafa, "Introduction to Artificial Intelligence (AI)", Ist Edition (2024) 4- Microsoft Office 2019 Step by Step 1st Edition by Curtis Frye & Joan Lambert 5-COMMITTEE "الخضر على الخضر بحاث أساسيات الحاسوب" 5 2016 6-2005 " الدكتور عادل عبد النور. "مدخل إلى عالم الذكاء الاصطناعي	Prescribed Textbooks:
• Modern Operating Systems – Andrew S. Tanenbaum • Database System Concepts – Abraham Silberschatz • Computer Science: An Overview – J. Glenn Brookshear	Main References (Sources)
• Computer Fundamentals – P.K. Sinha • Introduction to Computers – Peter Norton	Recommended Supporting Books and References (Scientific Journals, Reports, etc.)
• GeeksforGeeks – Algorithms and Data Structures section • IEEE Xplore – Academic Articles • SpringerLink – Books and Scientific References	Electronic References and Websites
Course Instructor Name	م.م. حسنين صاحب محمد
Signature	