

Course Description Form

Course Name: Computer Science II	
1. Course Code: ENG041	
2. Semester / Year Second semester/2026	
3. Description Preparation Date: 1/02/2026	
4. Available Attendance Forms: Bologna system attendance form	
5. Number of Credit Hours (Total) / Number of Units (Total): SSWL 63 + USSWL 62; ECTS 5	
6. Course administrator's name (mention all, if more than one name)	
Name: Kawther Dhiya Yassen Email: kawther.dhiya@uowa.edu.iq	
7. Course Objectives	
Course Objectives	1. Good understanding of Security and Networking. 2. Understanding network types. Basic network components. Network Security Basics. 3. Learning to utilize concepts of electronic banking services such as online banking, ATM and debit card services, Phone banking. 4. Identify and d solving common hardware and software problems that computer users encounter. 5. Getting good knowledge in the field of AI. 6. Getting to understand the role of AI in our daily life. 7. Getting to understand how AI affects social, and international relations, AI and the future of humanity. 8. Providing foundations and examples that enable students to understand their computer courses.
8. Teaching and Learning Strategies	
Strategy	1. Giving lectures and using real life examples to explain the main concepts of the computer system. 2. Using modern technologies and electronic data show means to clarify the shapes, drawings, diagrams and the vocabulary of the lecture. 3. Focusing on students' participation in the lecture by asking questions, eliciting new ideas and maintaining an interactive lecture. 4. Adopting the homework method, reports and presentations preparations by the

students, while evaluating their responses in the classroom.

9. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	3	1	Security and Networking Network Troubleshooting	Lectures	NA
2	3	1	E. Commerce: Concepts of Electronic banking services, online banking: A	Lectures	Quizzes and
3	3	1	and debit card services, Phone banking	Lectures	HWs
4	3	1	SMS banking, electronic alert, Mobile banking	Lectures	Quizzes and
5	3	1	Networks Troubleshooting: Identify and solving common hardware and software problems that networks users encounter.	Lectures	HWs
6	3	1	Basic troubleshooting techniques and tools for diagnosing and resolving issues.	Lectures	HW
7	3	1	Introduction to AI:	Lectures	Quizzes and
8	3	1	AI in our Daily Lives:	Lectures	HW
9	3	1	Applications of AI:	Lectures	Quizzes and
10	3	1	AI in Education, AI and Society	Lectures	HW
11	3	1	Ethical Challenges in AI:	Lectures	HW
12	3	1	The Future of AI	Lectures	HW
13	3	1	Preparations for the final Exam	Lectures	HW
14	3	1			
15	3	1			
16	3	1			

10. Course Evaluation

Mid-term exam	10%
HWs	10%
Quizzes	10%
Technical reports	10%
Attendance sheet	10%
Final Exam	50%

11. Learning and Teaching Resources

Required textbooks (curricular books, if any)	Ahmed Banafa, Introduction to Artificial Intelligence (AI)", Ist Edition (2024).
Main references (sources)	الدكتور عادل عبدالنور (مدخل الى عالم الذكاء الاصطناعي) 2005
Recommended books and references	
Electronic References, Websites	https://microsoft.github.io/AI-For-Beginners/

