

Course Description Form

1. Course Name	
Computer Science	
2. Course Code	
106 MH	
3. Semester / Year	
First Semester / First Stage / Academic Year 2025-2026	
4. Date this description was prepared	
22 / 9 / 2025	
5. Available Forms of Attendance	
Morning – Evening	
6. Number of Hours (Total) / Number of Credits (Total)	
30 hours/2 units (or 45 hours/3 units)	
7. Course administrator name (if more than one name mentioned)	
Name: Hassanein Sahib Muhammad Email: hasanen.alsafar1997@gmail.com	
8. Course Objectives	
Cognitive Goals The student will be able to: 1- Knows basic concepts and terms in computers. 2- It explains the relationship between hardware and software. 3- Distinguishes between data and information. Analyzes the components of operating system and application software. Skill Objectives The student will be able to: 1- It is a systematic scientific research in word processing software	Course Objectives

2- Provides oral and written scientific presentations using software Presentations. 3- Applies Internet and email skills in research and communication. 4- Actively participates in classroom discussions and collaborative activities. Value Goals The student will be able to: 1- It embodies ethical values in the use of technology to serve society. 2- Respects the plurality and difference of scientific opinions within a positive classroom environment. 3- Contributes to community and awareness activities through Employing technology. 4- Practice self-criticism and meditation in the light of academic values.	
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9. Teaching and Learning Strategies

Teaching and Learning Strategies 1. Interactive lectures to present theoretical concepts of computer 2. Practical workshops on programs (Word, PowerPoint, Internet Email). 3. Group projects to make reports or short presentations. 4. Individual research assignments on topics such as "cloud computing." Note: A group of the following strategies can be mentioned according to the article:	Strategy
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- Using **interactive lectures** to present theoretical concepts in Engaging students with discussion and motivational questions.
- **Employ blended learning** by combining classroom lectures with online activities or content, including recorded recitations, digital lectures, virtual discussions, and online quizzes.
- Guide students to **read essential sources** from books, and analyze them within study assignments to enhance deep understanding.
- Assign students **presentations** on selected topics from, which develops summarizing, explaining, and communication skills.
- Conducting **practical workshops** in, which allows the practice of research and applied skills.
- Promote **collaborative learning** through group projects or structured interpretive discussions, to develop dialogue and teamwork skills.
- Assign students to **individual or group research projects** in topics , using scientific methodology and academic documentation.
- Training students in **analytical and writing exercises** that require deriving concepts and meanings and linking them to reality.
- **Conduct discussions** based on Quranic values.
- Engaging students in **community service activities** related to the Holy Quran such as education or awareness, to enhance the practical impact of science in society.
- Encourage **self-reflection** by writing personal reflections that link what the student has learned to their behavior or attitudes in life.

10. Course Structure

Evaluation Method	Learning method	Unit Name or Subject	Required Learning Outcomes	Hours	The week
Class Questions	Interactive Lecture	Introduction to Compu	Understanding the concept of a computer	2	1

Short test	Description + Pictures	Computer Components (HW & SW)	Computer Component Analysis	2	2
Short test	Description + Pictures	Computer Components (HW & SW)	Computer Component Analysis	2	3
Practical Assessment	Practical Application	Operating System & Use Interface	Using the System Interface	2	4
Practical Assessment	Practical Application	Operating System & Use Interface	Using the System Interface	2	5
Short test	Practical Workshop	Word Processing (Wor	Write a rich text	2	6
Short Presentat	Practice	Word Software Presentations	Set up slides	2	7
Research Duty	Practice	Internet and browsers	Online Search	2	8
Research Duty	Practice	Internet and browsers	Online Search	2	9
Send a message	Practical Application	Email	Create an email	2	10
Upload a joint	Practice	Cloud Computing	Use Drive	2	11
Upload a joint	Practice	Cloud Computing	Use Drive	2	12
Semester Exam	Class Discussion	Diverse Applications	Comprehensive Review	2	13
Semester Exam	Class Discussion	Diverse Applications	Comprehensive Review	2	14
final exam	Review + Discussion	Review and conclusion	Comprehensive Calen	2	15
11. Course Evaluation					
Distribution of the score out of 100 according to the tasks assigned to the student, such as daily preparation, daily, oral, monthly, written exams, reports , etc. etc • Preparation and class participation: 5 grades • Assignments and Reports: 5 Marks • Short and practical tests: 5 marks • Semester Exam: 25 marks • Final Exam: 60 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 Poa "Technology In Action Complete", 16th Edition (2020). 3- Ahmed Banafa, "Introduction to Artificial Intelligence (AI) 1st Edition (2024) 4- Microsoft Office 2019 Step by Step 1 Edition by Curtis Frye & Joan Lambert 5- COMMITTEE "Greens on Greens Researchers" 2016 6. Dr. Adel Abdel Nour. "Introduction to the World of Artificial Intelligence" 2005	Required Textbooks (Methodology, if any)
1- Computer Fundamentals – P.K. Sinha 2- Introduction to Computers – Peter Norton 3- Operating Systems Concepts – Silberschatz	Main References (Sources)
1- Articles and periodicals in the field information technology. 2- Reports on cloud computing and educational applications.	Recommended books and references (scientific journals, reports...)
1- https://www.tutorialspoint.com 2- https://edu.gcfglobal.org 3- https://support.google.com/docs 4- https://www.microsoft.com/office	Electronic References, Websites



 م. د. اسراء رضا آركين

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