

## Course Description Form

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| <b>1. Course Name</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                 |
| Computer Science                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                 |
| <b>2. Course Code</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                 |
| CJ-21-SW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                 |
| <b>3. Semester / Year</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                 |
| First Semester / First Stage / Academic Year 2025–2026                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                 |
| <b>4. Date this description was prepared</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                 |
| 22 / 9 / 2025                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                 |
| <b>5. Available Forms of Attendance</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                 |
| Morning – Evening                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                 |
| <b>6. Number of Hours (Total) / Number of Credits (Total)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                 |
| 30 hours/2 units (or 45 hours/3 units)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                 |
| <b>7. Course administrator name (if more than one name mentioned)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                 |
| Name: Hassanein Sahib Muhammad Email: hasanen.alsafar1997@gmail.com                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                 |
| <b>8. Course Objectives</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                 |
| <p><b>Cognitive Goals</b></p> <p>The student will be able to:</p> <ul style="list-style-type: none"> <li><b>1–</b> Knows basic concepts and terms in computers.</li> <li><b>2–</b> It explains the relationship between hardware and software.</li> <li><b>3–</b> Distinguishes between data and information.</li> </ul> <p>Analyzes the components of operating system and application software.</p> <p><b>Skill Objectives</b></p> <p>The student will be able to:</p> <ul style="list-style-type: none"> <li><b>1–</b> It is a systematic scientific research in word processing software</li> <li><b>2–</b> Provides oral and written scientific presentations using software</li> </ul> | <p><b>Course Objectives</b></p> |

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| <p>Presentations.</p> <p><b>3–</b> Applies Internet and email skills in research and communication.</p> <p><b>4–</b> Actively participates in classroom discussions and collaborative activities.</p> <p><b>Value Goals</b></p> <p>The student will be able to:</p> <p><b>1–</b> It embodies ethical values in the use of technology to serve society.</p> <p><b>2–</b> Respects the plurality and difference of scientific opinions within a positive classroom environment.</p> <p><b>3–</b> Contributes to community and awareness activities through Employing technology.</p> <p><b>4–</b> Practice self-criticism and meditation in the light of academic values.</p>                                                                                                                                                            |                        |
| <b>9. Teaching and Learning Strategies</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                        |
| <p><b>Teaching and Learning Strategies</b></p> <ol style="list-style-type: none"> <li>1. Interactive lectures to present theoretical concepts of computer</li> <li>2. Practical workshops on programs (Word, PowerPoint, Internet Email).</li> <li>3. Group projects to make reports or short presentations.</li> <li>4. Individual research assignments on topics such as "cloud computing."</li> </ol> <p><b>Note:</b></p> <p>A group of the following strategies can be mentioned according to the article:</p> <ul style="list-style-type: none"> <li>• Using <b>interactive lectures</b> to present theoretical concepts in ..... Engaging students with discussion and motivational questions.</li> <li>• <b>Employ blended learning</b> by combining classroom lectures with online activities or content, including</li> </ul> | <p><b>Strategy</b></p> |

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| <p>recorded recitations, digital lectures, virtual discussions, and online quizzes.</p> <ul style="list-style-type: none"> <li>• Guide students <b>to read essential sources</b> from ..... books, and analyze them within study assignments to enhance deep understanding.</li> <li>• Assign students <b>presentations</b> on selected topics from ....., which develops summarizing, explaining, and communication skills.</li> <li>• Conducting <b>practical workshops</b> in ....., which allows the practice of research and applied skills.</li> <li>• Promote <b>collaborative learning</b> through group projects or structured interpretive discussions, to develop dialogue and teamwork skills.</li> <li>• Assign students to <b>individual or group research projects</b> in ..... topics , using scientific methodology and academic documentation.</li> <li>• Training students in <b>analytical and writing exercises</b> that require deriving concepts and meanings and linking them to reality.</li> <li>• <b>Conduct discussions</b> based on Quranic values.</li> <li>• Engaging students in <b>community service activities</b> related to the Holy Quran such as education or awareness, to enhance the practical impact of science in society.</li> <li>• Encourage <b>self-reflection</b> by writing personal reflections that link what the student has learned to their behavior or attitudes in life.</li> </ul> |  |
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## 10. Course Structure

| Evaluation Method | Learning method        | Unit Name or Subject          | Required Learning Outcomes              | Watch es | 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 & User Interface | Using the System Interface | 2 | 4  |
| Practical Assessment | Practical Application | Operating System & User Interface | Using the System Interface | 2 | 5  |
| Short test           | Practical Workshop    | Word Processing (Word)            | Write a rich text          | 2 | 6  |
| Short Presentation   | Practical Training    | Word Software Presentations       | Set up slides              | 2 | 7  |
| Research Duty        | Practical Training    | Internet and browsers             | Online Search              | 2 | 8  |
| Research Duty        | Practical Training    | Internet and browsers             | Online Search              | 2 | 9  |
| Send a message       | Practical Application | Email                             | Create an email            | 2 | 10 |
| Upload a joint file  | Practical Training    | Cloud Computing                   | Use Drive                  | 2 | 11 |
| Upload a joint file  | Practical Training    | 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 Calendar     | 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- Alan Evans, Kendall Martin, Mary Anne Poole, "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

Required Textbooks (Methodology, if any)

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| <p>Edition by<br/>Curtis Frye &amp; Joan Lambert5-COMMITTEE على الخضر<br/>"الخضر بحاث أساسيات الحاسوب"<br/>2016 5<br/>6. Dr. Adel Abdel Nour. "Introduction to the World of Artificial Intelligence" 2005</p>                                                                                                                              |                                                                    |
| <p>1- Computer Fundamentals – P.K. Sinha<br/>2- Introduction to Computers – Peter Norton<br/>3- Operating Systems Concepts – Silberschatz</p>                                                                                                                                                                                              | Main References (Sources)                                          |
| <p>1- Articles and periodicals in the field information technology.<br/>2- Reports on cloud computing and educational applications.</p>                                                                                                                                                                                                    | Recommended books and references (scientific journals, reports...) |
| <p>1- <a href="https://www.tutorialspoint.com">https://www.tutorialspoint.com</a><br/>2- <a href="https://edu.gcfglobal.org">https://edu.gcfglobal.org</a><br/>3- <a href="https://support.google.com/docs">https://support.google.com/docs</a><br/>4- <a href="https://www.microsoft.com/office">https://www.microsoft.com/office</a></p> | Electronic References, Websites                                    |

Authenticating the Real Letter Department Approval of the Dean of the College

م. د. محمد علي جواد  
رئيس قسم الفقه وأصوله

د. هلال مكي المالح