Course Description Form

Computer Science subject/first stage/first + second semester

Classic Edition 2023-2024

1. Course Name:
Computer Science (1) Computer Science (2)

2. Course Code:
Computer Science (1)   **(COS 106)** Computer Science (2)   **(COS 111)**

3. Semester / Year:
The first and second semester of the academic year 2023-2024

4. Description Preparation Date:
1/2/2024

5. Available Attendance Forms:
Theoretical + practical

6. Number of Credit Hours (Total) / Number of Units (Total)
The first semester (2) theoretical hour each week, for a total of (30) hours in the course / number of units (1) The second semester: (2) practical hours in the laboratory each week, for a total of (30) hours in the course / number of units (1) .....

7. Course administrator's name (mention all, if more than one name)
Name: Assistant leacter: **Hanan Ayob Yass**   ..... Email: hananayass@tu.edu.iq

8. Course Objectives	
Course Objectives	• Introducing the student to the introduction to computer science. • Enabling the student to master computer applications. Teaching the student how to use computers, approved methods, and programs. • Providing the student with computer tools that will help him in his future work. • Teaching the student how to use computers in the medical field. • Teaching the student how to use computer programs. • Teaching the student how to deal with the operating system and install programs.

9. Teaching and Learning Strategies

Strategy	• Lectures that encourage students and teach them ways to confront and solve problems. • Follow up on students' way of thinking, their ways of expression, and their speed of response.

10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1 Sem 1	2	- Computer basics - Phases of the computer life cycle - The development of computer generations	Computer Science	Classrooms + Computer lab	Theoretical + practical exams
2	2	- Electronic computer - Data and information - Features, fields, computer components	Computer Science	Classrooms + Computer lab	Theoretical + practical exams
3	2	- Types of computers	Computer Science	Classrooms + Computer lab	Theoretical + practical exams
4	2	- Computer's components - Physical parts - Software entity	Computer Science	Classrooms + Computer lab	Theoretical + practical exams
5	2	- Computer numbering systems - Personal computer/platform, factors, advantages	Computer Science	Classrooms + Computer lab	Theoretical + practical exams

6	2	- Computer security and software licenses - Ethics of the electronic world - Forms of abuse in the digital world -Computer security and privacy	Computer Science	Classrooms + Computer lab	Theoretical + practical exams
7	2	- Software licenses - Types of licenses - intellectual property	Computer Science	Classrooms + Computer lab	Theoretical + practical exams
8	2	-Electronic hacking - Types, sources, and most common security risks	Computer Science	Classrooms + Computer lab	Theoretical + practical exams
9	2	- Malware - Computer viruses/characteristics, types, components, and damage resulting from them	Computer Science	Classrooms + Computer lab	Theoretical + practical exams
10	2	- The most important steps to protect against hacking operations - Computer harm to health	Computer Science	Classrooms + Computer lab	Theoretical + practical exams
11	2	-Operating Systems - Definition, functions, objectives, classification, examples	Computer Science	Classrooms + Computer lab	Theoretical + practical exams

12	2	- Windows operating system - Components, requirements, features	Computer Science	Classrooms + Computer lab	Theoretical + practical exams
13	2	- Folders and files - Icons -Performing operations on windows	Computer Science	Classrooms + Computer lab	Theoretical + practical exams
14	2	- desktop backgrounds - control Board - Help/Help - Common computer conditions and settings	Computer Science	Classrooms + Computer lab	Theoretical + practical exams
1 SEM 2	2	- Introduction to Microsoft Word 2020 - Run the Word program -Word program interface	Computer Science	Computer lab	Theoretical + practical exams
2	2	- File tab - Home tab - Clipboard/Font/Paragraph/Styles/Editing group	Computer Science	Computer lab	Theoretical + practical exams
3	2	- Page Layout tab - Layout/Page Setup/Page Background/Paragraph/Arrangement group	Computer Science	Computer lab	Theoretical + practical exams
4	2	- View tab - Document view group/Show/Zoom/Zoom/Window – Help	Computer Science	Computer lab	Theoretical + practical exams

5	2	- Inserting objects in Microsoft Word - Insert tab - Collection of pages/tables/illustrations/	Computer Science	Computer lab	Theoretical + practical exams
6	2	- Image Tools tab - Links/Header and Footer/Text/Icons combination	Computer Science	Computer lab	Theoretical + practical exams
7	2	Additional tasks for Microsoft Word - References tab - Set tables of contents/footnotes/references and citations/captions/index/table of sources	Computer Science	Computer lab	Theoretical + practical exams
8	2	- Correspondence tab - Create a group/start a mail merge/write and insert fields/preview the results/it	Computer Science	Computer lab	Theoretical + practical exams
9	2	- Review tab - Set Audit/Language/Comments/Track/Changes/Compare/Protect	Computer Science	Computer lab	Theoretical + practical exams
10	2	Introduction to Microsoft PowerPoint 2010 - Run the program - The program interface	Computer Science	Computer lab	Theoretical + practical exams

11	2	- File tab - Open/save/close/print file	Computer Science	Computer lab	Theoretical + practical exams
12	2	- Home tab - Clipboard/Slides/Line/Paragraph/Edit group	Computer Science	Computer lab	Theoretical + practical exams
13	2	- Design tab - Set page/theme/background setting - Slideshow tab	Computer Science	Computer lab	Theoretical + practical exams
14	2	- View tab - Set view modes/Show/Orientation/Color/Zoom in and out/Window - directions	Computer Science	Computer lab	Theoretical + practical exams

11- Course Evolution

Distributing the score out of 100 according to the tasks assigned to the student such as daily preparation, daily oral, monthly, or written exams, reports   etc
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12- Learning and teaching Resources

Required textbooks	• Computer basics and office applications / Dr. Ziyad Muhammad Abboud and others / 2014 / Baghdad

	• Computer basics and office applications/Dr. Muhammad Fouad Najm/Dar Al-Fajr/2010/Amman • Computer applications/Dr. Walid Saleh Fahmy / 2007 / Beirut
Main Refrences	• Reference books in the field of computers • Windows 7 • Office 2010
Recommended books and references	• Introduction to computers and the Internet/fifth edition
Electronic references websites	• Scientific websites www.kutub.info/library