TEMPLATE FOR COURSE SPECIFICATION

HIGHER EDUCATION PERFORMANCE REVIEW: PROGRAMME REVIEW

COURSE SPECIFICATION

This Course Specification provides a concise summary of the main features of the course and the learning outcomes that a typical student might reasonably be expected to achieve and demonstrate if he/she takes full advantage of the learning opportunities that are provided. It should be cross-referenced with the programme specification.

1. Teaching Institution	Hilla College, Ahlia University
2. University Department/Centre	Medical device technology engineering
3. Course title/code	Computer Applications / 2
4. Modes of Attendance offered	Weekly (practical + theoretical)
5. Semester/Year	2021-2022
6. Number of hours tuition (total)	120 hours
7. Date of production/revision of this specification	30/6/2021
8. Aims of the Course	
1- The student gets to know the concepts of operating systems in the computer, its importance and the tasks it performs 2- Understand computer components and accessories 3- Explains the importance and function of each part of the computer 4- Understands office application programs, connect to the Internet, and learn about the outside world	

10. Course outcomes and methods of teaching, learning and assessment

A- A1- Defines the components and the importance of each part of the computer
B- A2- Enumerate the operating system on the computer
C- A3- Understands the importance and functioning of all operating systems
D- A4- Explains the main office applications of Microsoft Corporation
E- A5- Compare the importance of the operating system in the computer
F- A6- Understands how to connect the computer to the Internet and deal with e-mail

G- Skills objectives of the course:

1- Learn how to program and use software.
2- Learn how to use these programs and use them in the medical field.
3- Strengthening the student's programming ability.

Teaching and learning methods

Theoretical lectures and practical laboratories. Laboratory experiments are carried out using the C# program - Seminars

Evaluation methods

Daily pre and post-tests. Weekly tests - quarterly tests - annual tests scientific activities.

H- Emotional and value goals:

1- The student listens carefully to the teacher’s explanation
2- Design and implementation of some application programs
3- To develop the applied skills of the student
4- That the student cares about calmness and class order

Teaching and learning methods

Seminars - Guidance and Educational Education

Evaluation methods

Discussion and dialogues of the professor with the student and discussion and dialogues of the student with another student

I- Transferred general and qualifying skills (other skills related to employability and personal development).

1- The student’s ability to do scientific research
2- The student’s ability to participate in extra-curricular activities

3- Library skills and via the Internet, the Internet outside the scientific material

10. Course Structure					
Week	Hours	ILOs	Unit/Module or Topic Title	Teaching Method	Assessment Method
1st, 2nd	4n+ 4p	The student understands the lesson	***An introductory introduction to – computers, their generations, their hardware and software components***	Theoretical and practical lecture	Before and after questions, weekly, quarterly and yearly tests
3rd	2n+ 2p	The student understands the lesson	***The operating system MSDOS - Understanding the operating system System reference, disks, directories and their levels and files, internal and external operating system commands***	Theoretical and practical lecture	Before and after questions, weekly, quarterly and yearly tests
4th	2n+ 2p	The student understands the lesson	**Internal operating system commands CD, RD, TIME, DATE, MD, COPY, PATH External OS commands FORMAT, COPY, EDIT**	Theoretical and practical lecture	Before and after questions, weekly, quarterly and yearly tests
5th, 6th	4n+ 4p	The student understands the lesson	**The operating system Windows, the concept of the Windows system, its advantages, its basic requirements and the components of the main screen of the desktop, the importance and components of the taskbar**	Theoretical and practical lecture	Before and after questions, weekly, quarterly and yearly tests
7th	2n+ 2p	The student understands the lesson	***The concept of the window for any program and the identification of its main components with desktop icons***	Theoretical and practical lecture	Before and after questions, weekly, quarterly and yearly tests
8th	2n+ 2p	The student	***Learn about the components of My Computer Folders and files Copy folders and files***	Theoretical and	Before and after questions,

		understands the lesson	***Cut and paste***	practical lecture	weekly, quarterly and yearly tests
9th	2n+ 2p	The student understands the lesson	**Take advantage of control panel programs and how to change the desktop background**	Theoretical and practical lecture	Before and after questions, weekly, quarterly and yearly tests
10th	2n+ 2p	The student understands the lesson	***Control the screen saver and change the appearance and colors of the window menus***	Theoretical and practical lecture	Before and after questions, weekly, quarterly and yearly tests
11th, 12th	4n+ 4p	The student understands the lesson	***Add and delete programs***	Theoretical and practical lecture	Before and after questions, weekly, quarterly and yearly tests
13th	2n+ 2p	The student understands the lesson	***Use of entertainment software***	Theoretical and practical lecture	Before and after questions, weekly, quarterly and yearly tests
14th, 15th	4n+ 4p	The student understands the lesson	**Take advantage of additional programs**	Theoretical and practical lecture	Before and after questions, weekly, quarterly and yearly tests
16th, 17th	4n+ 4p	The student understands the lesson	***Microsoft ward***	Theoretical and practical lecture	Before and after questions, weekly, quarterly and yearly tests
18th ,19th	4n+ 4p	The student understands the	***Dealing with fee programs to create, save and retrieve fees***	Theoretical and practical lecture	Before and after questions, weekly, quarterly and yearly tests

		lesson			
20th ,21st	4n+ 4p	The student understands the lesson	**Dealing with writing, saving and printing texts, changing the printing style and formatting**	Theoretical and practical lecture	Before and after questions, weekly, quarterly and yearly tests
22nd , 23rd	4n+ 4p	The student understands the lesson	**Microsoft excel**	Theoretical and practical lecture	Before and after questions, weekly, quarterly and yearly tests
24th , 25th	4n+ 4p	The student understands the lesson	***Learn how to get help and its different methods***	Theoretical and practical lecture	Before and after questions, weekly, quarterly and yearly tests
27th 28th 29th	4n+ 4p	The student understands the lesson	***The concept of computer viruses, their types, processing and dealing with them through anti-programs***	Theoretical and practical lecture	Before and after questions, weekly, quarterly and yearly tests
30th	2n+ 2p	The student understands the lesson	**Take advantage of the RUN option to implement programs directly**	Theoretical and practical lecture	Before and after questions, weekly, quarterly and yearly tests

11. Infrastructure	1. Brief lectures, theoretical and practical
1. Books Required reading:	1- Introduction to MATLAB for Engineers William J. Palm III. 2- INTRODUCTION TO C# FOR ENGINEERING STUDENTS, David Houcque.

2. Main references (sources)	Introduction to C# for Engineers William J. Palm III.
A- Recommended books and references (scientific journals, reports…).	
B-Electronic references, Internet sites…	
12. The development of the curriculum plan	
1- Adding an introduction to the programming concepts so that the student can understand the subsequent topics 2- Providing hardware and software to further develop the student's skills. 3- See the latest software used in the world today.	

Name and Signature:

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